

Figure 2: In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded Viewer and Controller for a Universal Data Editor Component. In this specimen, the left pane shows a data formation representing an exemplary set of meta model data representing an edit time model. No edit time data is loaded or displayed.

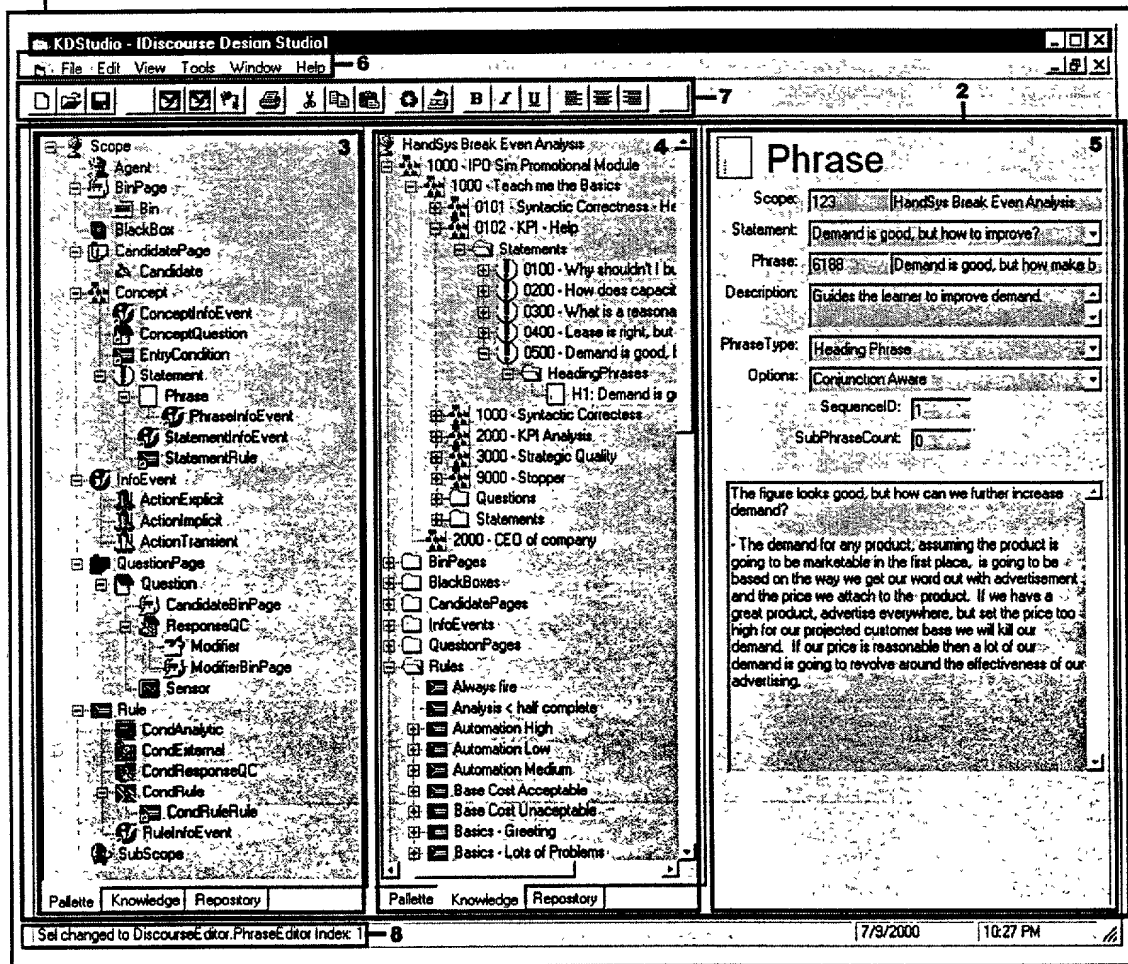


Figure 3: In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded Viewer and Controller for a Universal Data Editor Component. In this specimen, the left pane shows a data formation representing an exemplary set of meta model data representing an edit time model. The middle pane shows a data formation representing an exemplary set of edit time data. The right pane shows a dynamically loaded detail editor form displaying the member value information of the selected element.

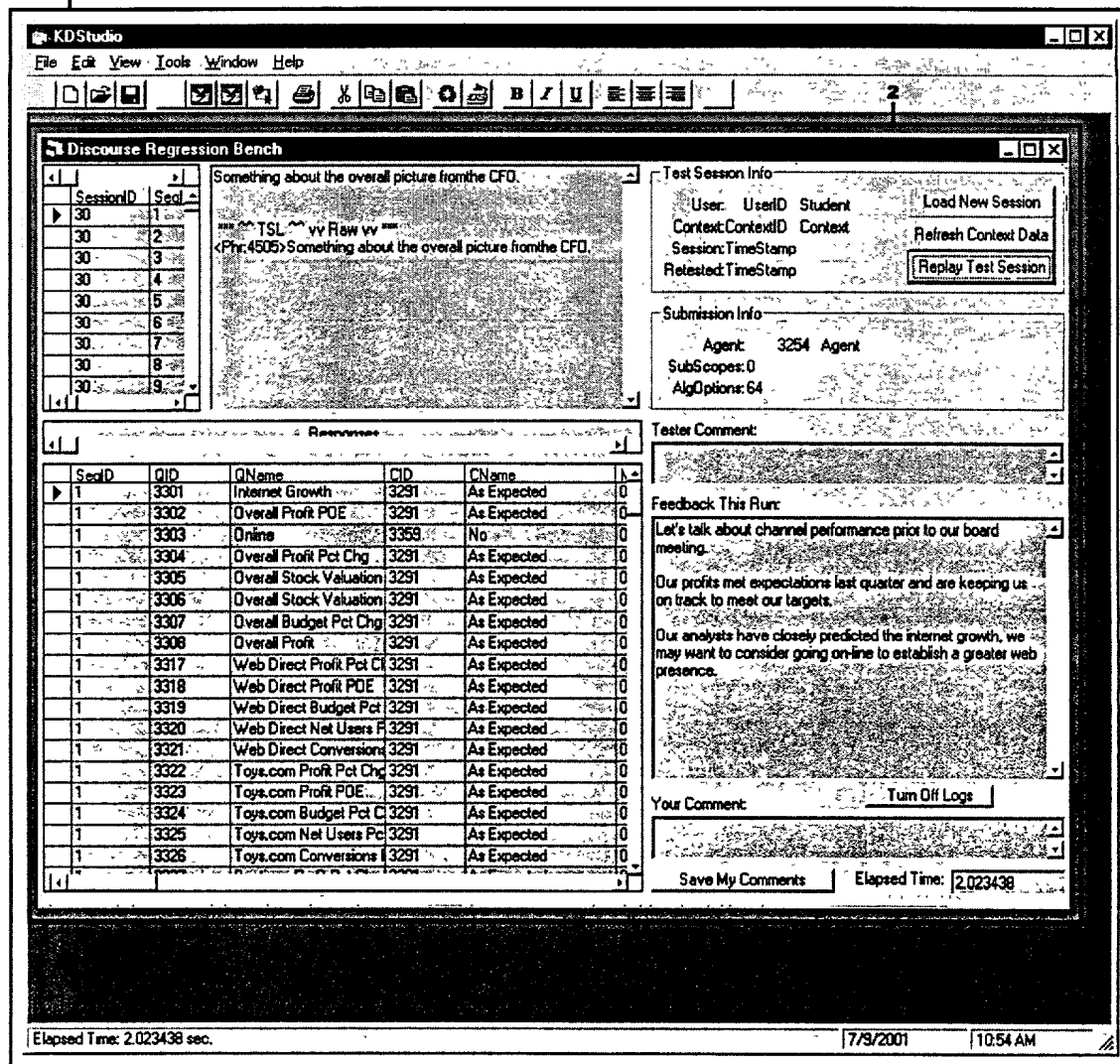


Figure 4: In accordance with a preferred embodiment, a screenshot of a Universal Data Editing, Testing, and Management Environment showing a dynamically loaded regression testing component.



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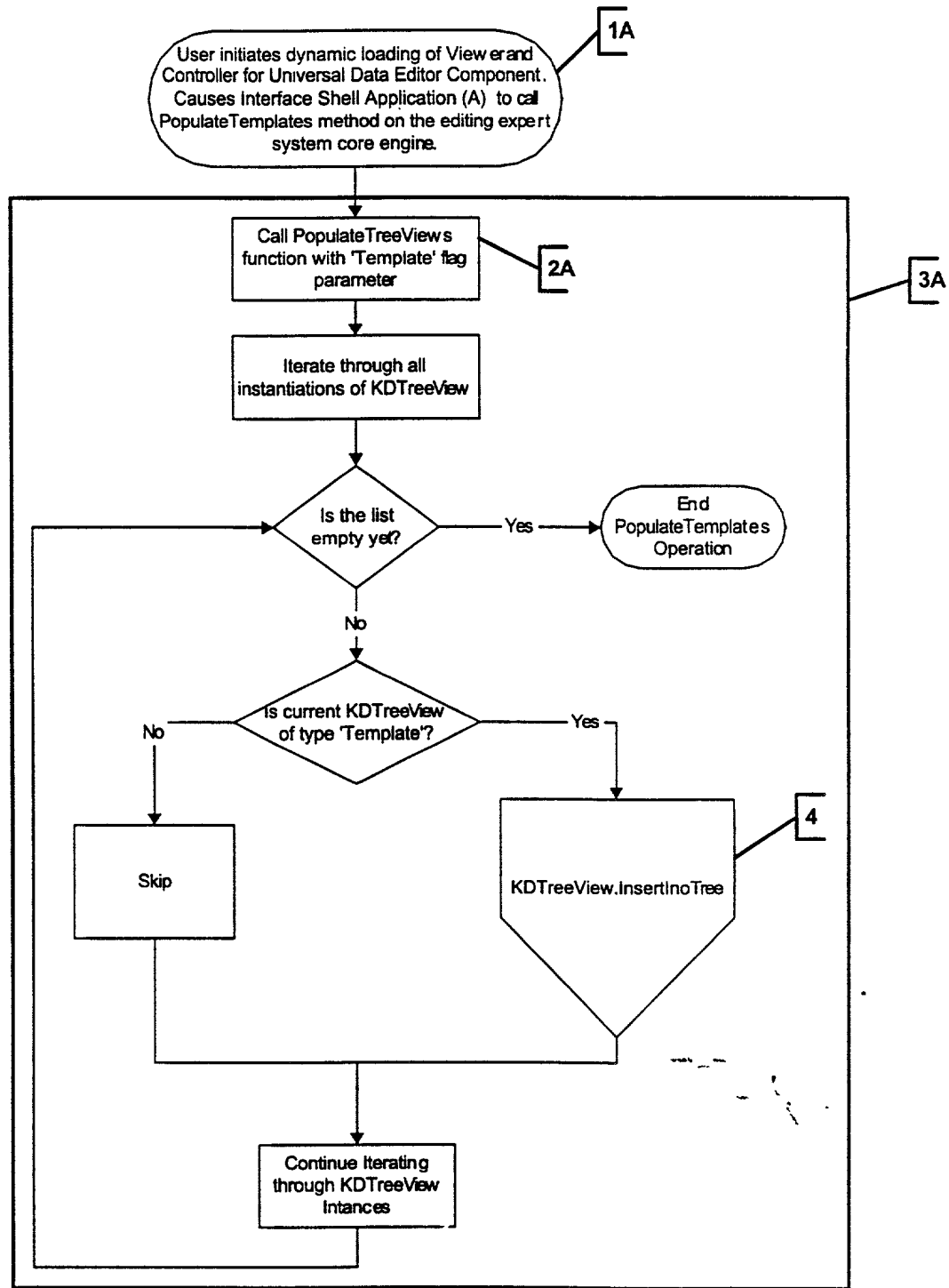


Figure 6A Flow Chart depicting
PopulateTemplates and PopulateData operations

| Variable | Mean | SD | Min | Max |
|----------------------------|-------|------|------|-------|
| Age | 34.5 | 10.2 | 21 | 55 |
| Gender | 0.45 | 0.50 | 0 | 1 |
| Marital Status | 0.65 | 0.48 | 0 | 1 |
| Education | 12.5 | 1.5 | 9 | 16 |
| Income | 3500 | 1500 | 1000 | 8000 |
| Health Status | 0.75 | 0.43 | 0 | 1 |
| Employment Status | 0.85 | 0.36 | 0 | 1 |
| Home Ownership | 0.95 | 0.22 | 0 | 1 |
| Vehicle Ownership | 0.80 | 0.40 | 0 | 1 |
| Life Satisfaction | 4.2 | 1.8 | 1 | 7 |
| Stress Level | 3.5 | 1.5 | 1 | 6 |
| Work-Life Balance | 4.5 | 1.2 | 2 | 6 |
| Financial Stability | 5.0 | 1.0 | 3 | 6 |
| Family Support | 4.8 | 1.1 | 3 | 6 |
| Community Involvement | 3.8 | 1.3 | 2 | 6 |
| Personal Growth | 4.0 | 1.4 | 2 | 6 |
| Healthcare Access | 4.5 | 1.2 | 3 | 6 |
| Quality of Life | 4.3 | 1.5 | 2 | 6 |
| Life Expectancy | 78.5 | 5.2 | 65 | 90 |
| Mortality Rate | 0.05 | 0.02 | 0 | 0.1 |
| Healthcare Expenditure | 1200 | 300 | 500 | 2000 |
| Life Insurance Premium | 80 | 20 | 40 | 150 |
| Retirement Savings | 15000 | 5000 | 5000 | 30000 |
| Charitable Contributions | 50 | 10 | 20 | 100 |
| Travel Expenditure | 300 | 100 | 100 | 600 |
| Food Expenditure | 200 | 50 | 100 | 350 |
| Housing Expenditure | 1000 | 200 | 500 | 1800 |
| Transportation Expenditure | 150 | 40 | 80 | 250 |
| Entertainment Expenditure | 100 | 30 | 50 | 200 |
| Utilities Expenditure | 120 | 30 | 70 | 200 |
| Healthcare Expenditure | 180 | 40 | 100 | 300 |
| Education Expenditure | 250 | 60 | 100 | 450 |
| Other Expenditure | 100 | 30 | 50 | 200 |
| Total Expenditure | 2500 | 500 | 1000 | 4500 |
| Life Satisfaction | 4.2 | 1.8 | 1 | 7 |
| Stress Level | 3.5 | 1.5 | 1 | 6 |
| Work-Life Balance | 4.5 | 1.2 | 2 | 6 |
| Financial Stability | 5.0 | 1.0 | 3 | 6 |
| Family Support | 4.8 | 1.1 | 3 | 6 |
| Community Involvement | 3.8 | 1.3 | 2 | 6 |
| Personal Growth | 4.0 | 1.4 | 2 | 6 |
| Healthcare Access | 4.5 | 1.2 | 3 | 6 |
| Quality of Life | 4.3 | 1.5 | 2 | 6 |
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| Transportation Expenditure | 150 | 40 | 80 | 250 |
| Entertainment Expenditure | 100 | 30 | 50 | 200 |
| Utilities Expenditure | 120 | 30 | 70 | 200 |
| Healthcare Expenditure | 180 | 40 | 100 | 300 |
| Education Expenditure | 250 | 60 | 100 | 450 |
| Other Expenditure | 100 | 30 | 50 | 200 |
| Total Expenditure | 2500 | 500 | 1000 | 4500 |

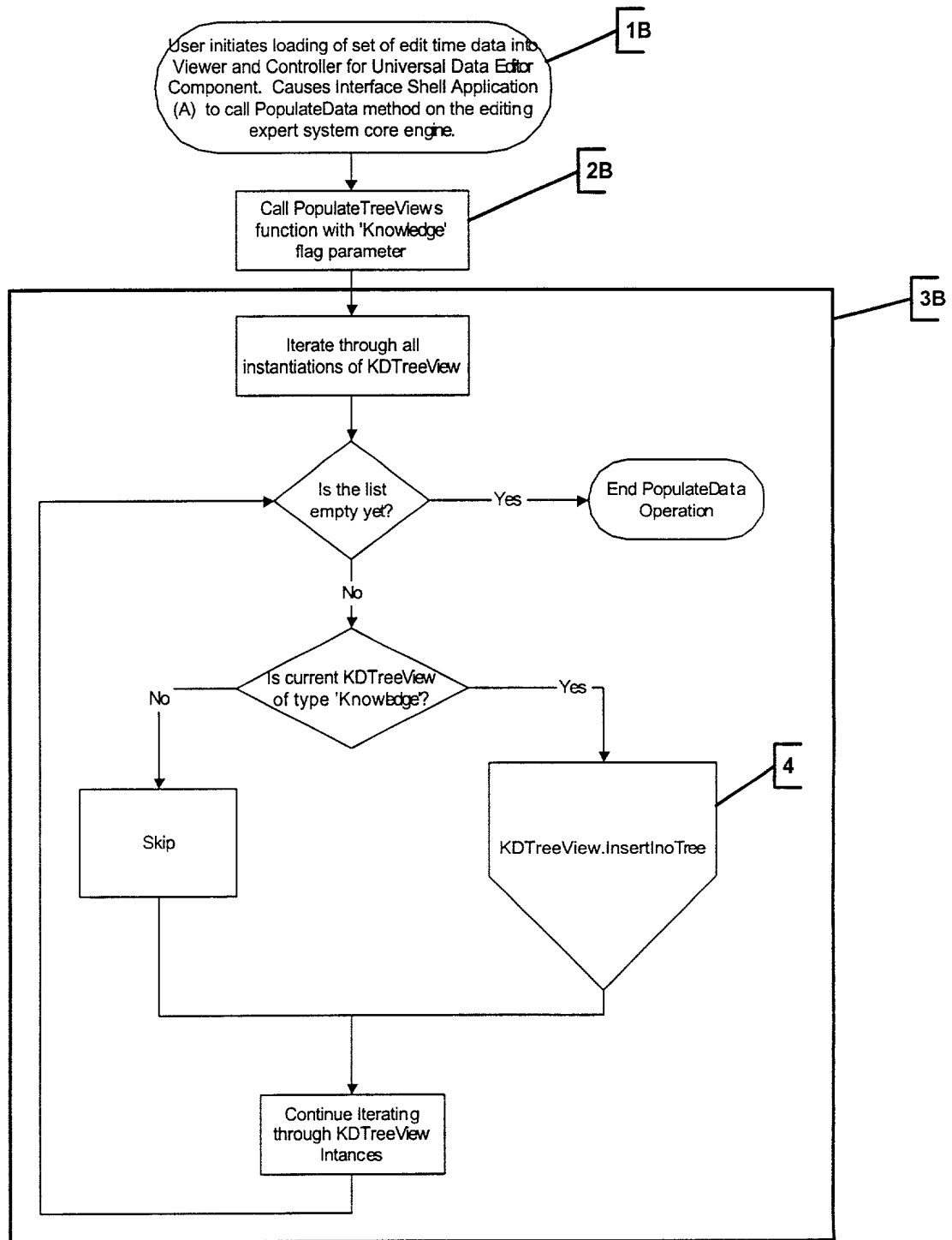
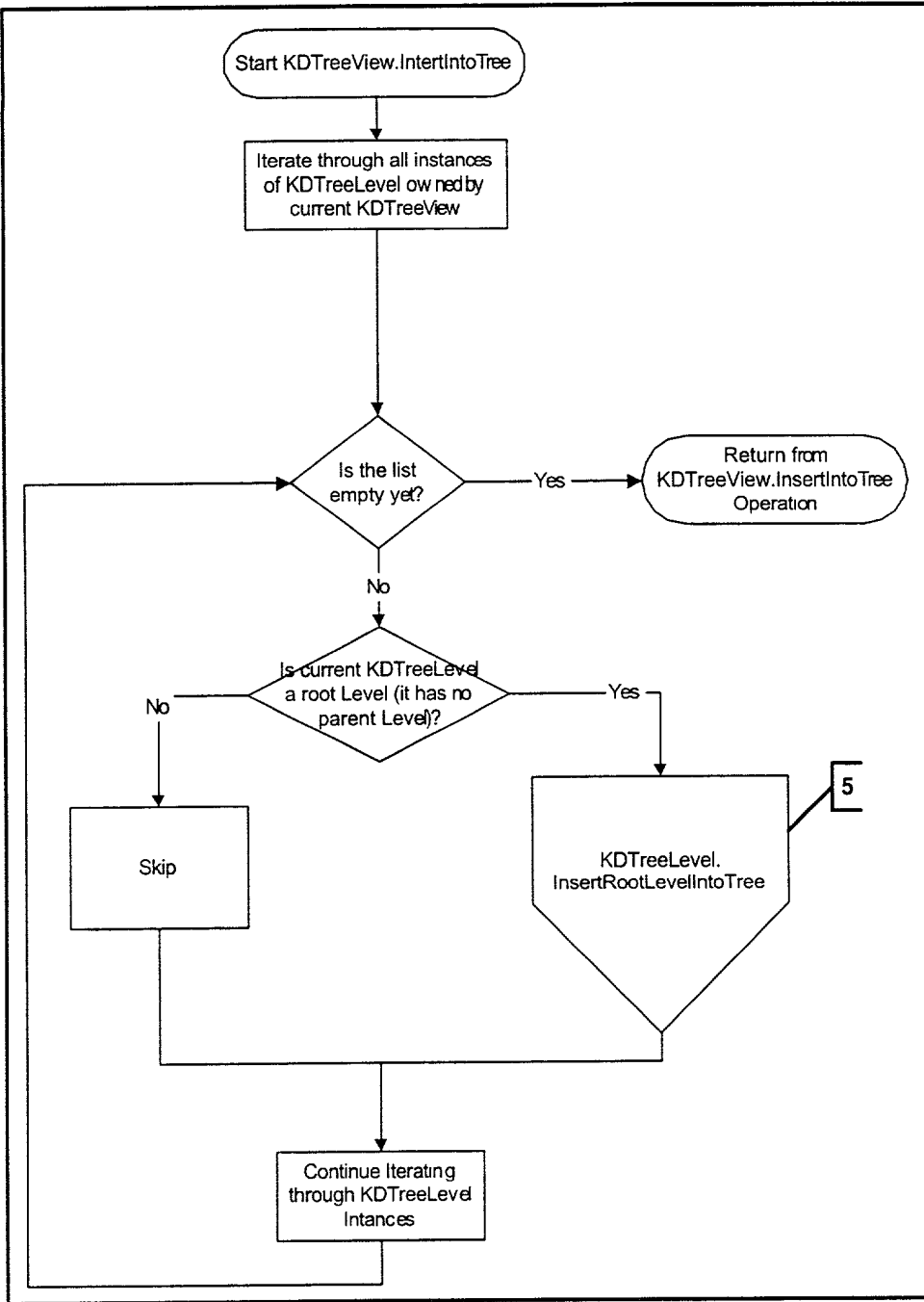


Figure 6^B Flow Chart depicting PopulateTemplates and PopulateData operations

<DTreeView.InsertIntoTree

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4



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Figure 6: Flow Chart depicting PopulateTemplates and PopulateData operations

KDTreeLevel.
InsertRootLevelIntoTree

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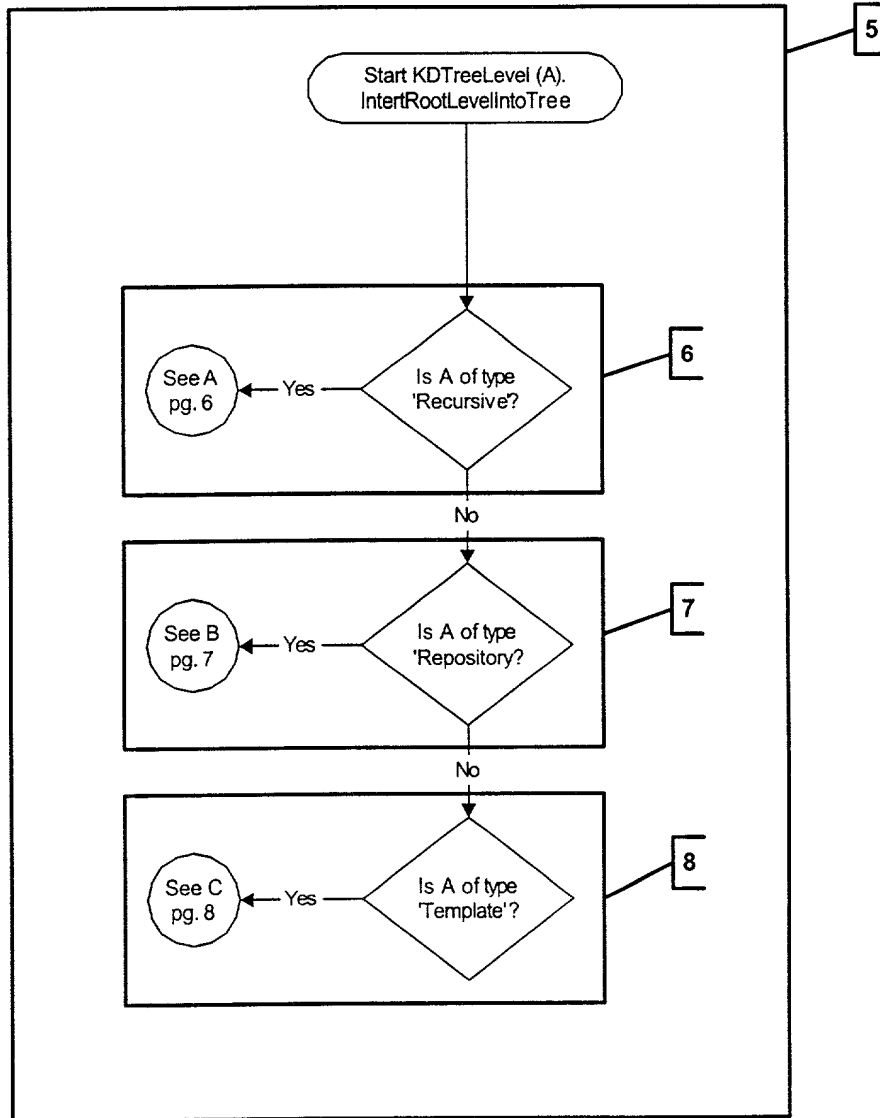


Figure 6¹ Flow Chart depicting
PopulateTemplates and PopulateData operations

KDTreeLevel.
InsertChildLevelIntoTree

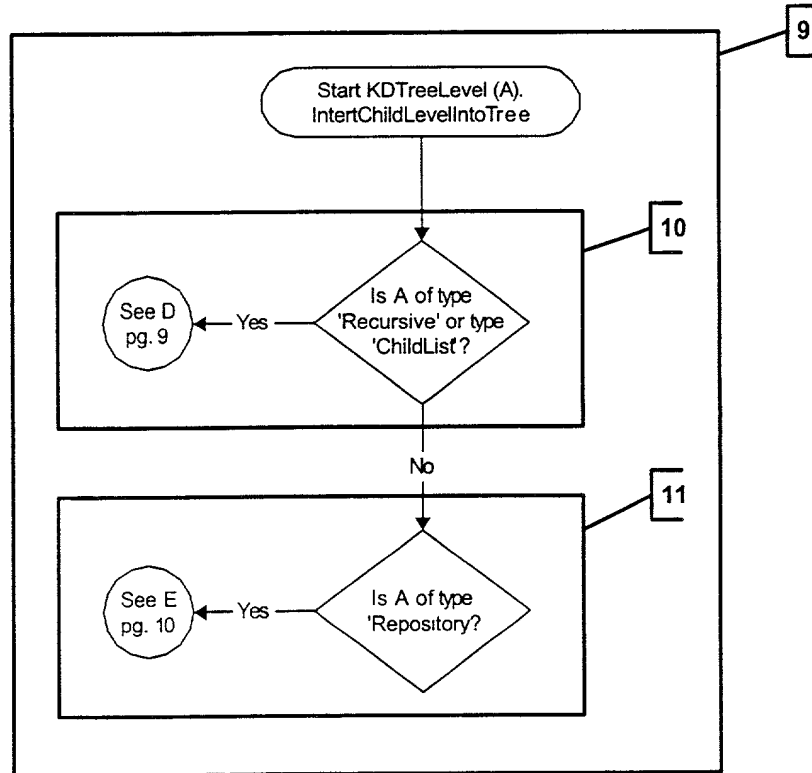


Figure 6⁶ Flow Chart depicting
PopulateTemplates and PopulateData operations

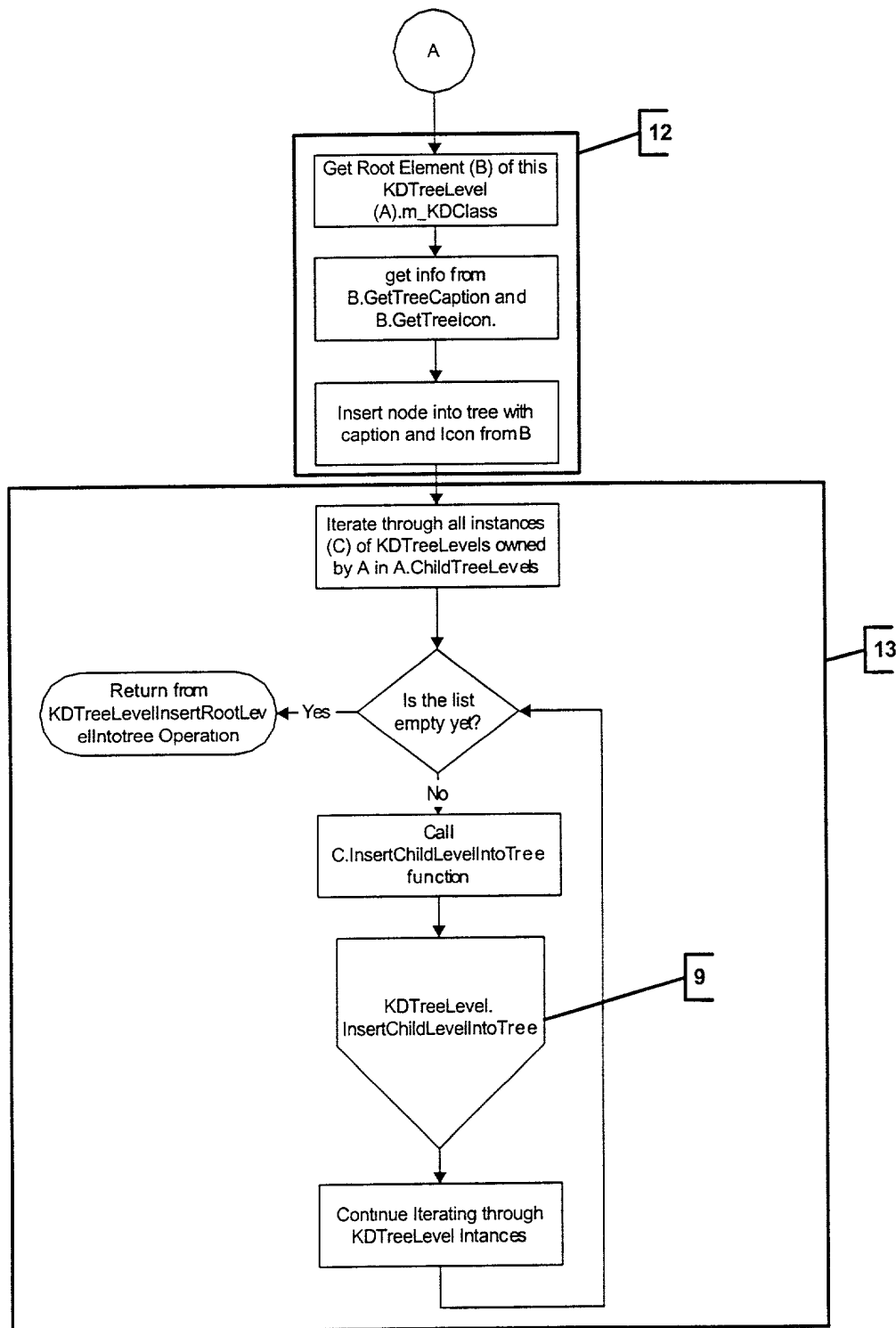


Figure 6. Flow Chart depicting PopulateTemplates and PopulateData operations

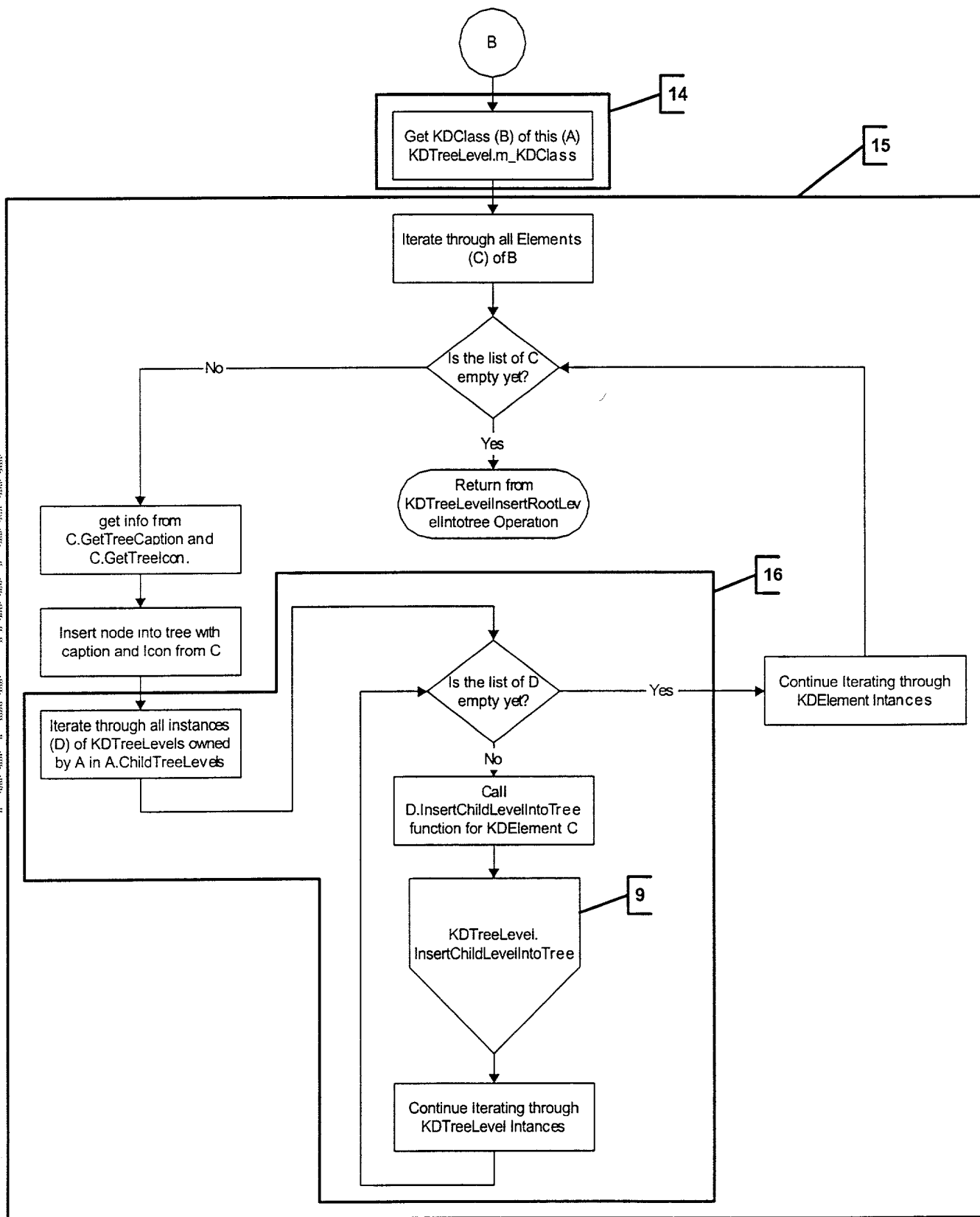


Figure 6⁹ Flow Chart depicting PopulateTemplates and PopulateData operations

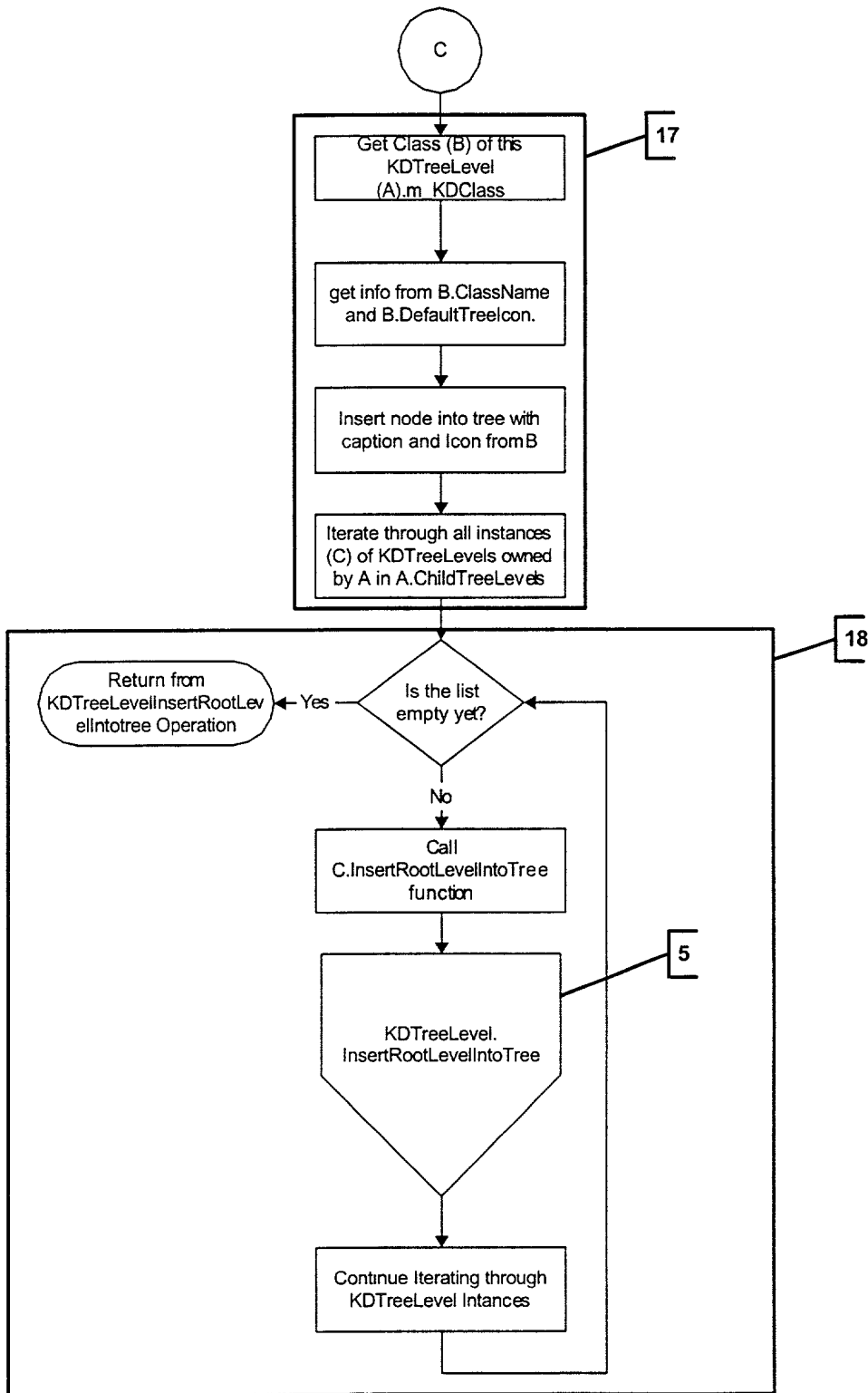


Figure 6^H_A Flow Chart depicting PopulateTemplates and PopulateData operations

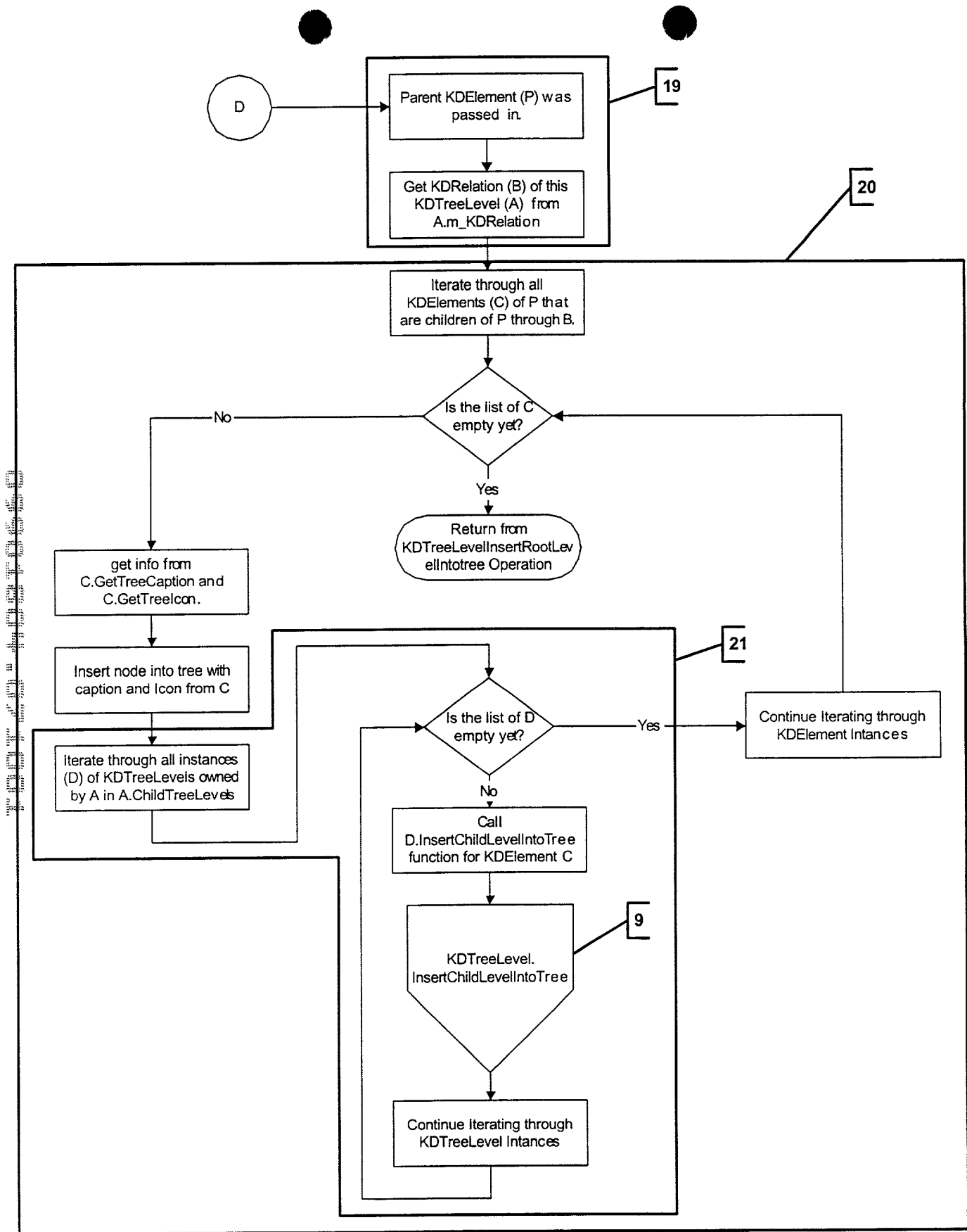


Figure 6^I Flow Chart depicting
PopulateTemplates and PopulateData operations

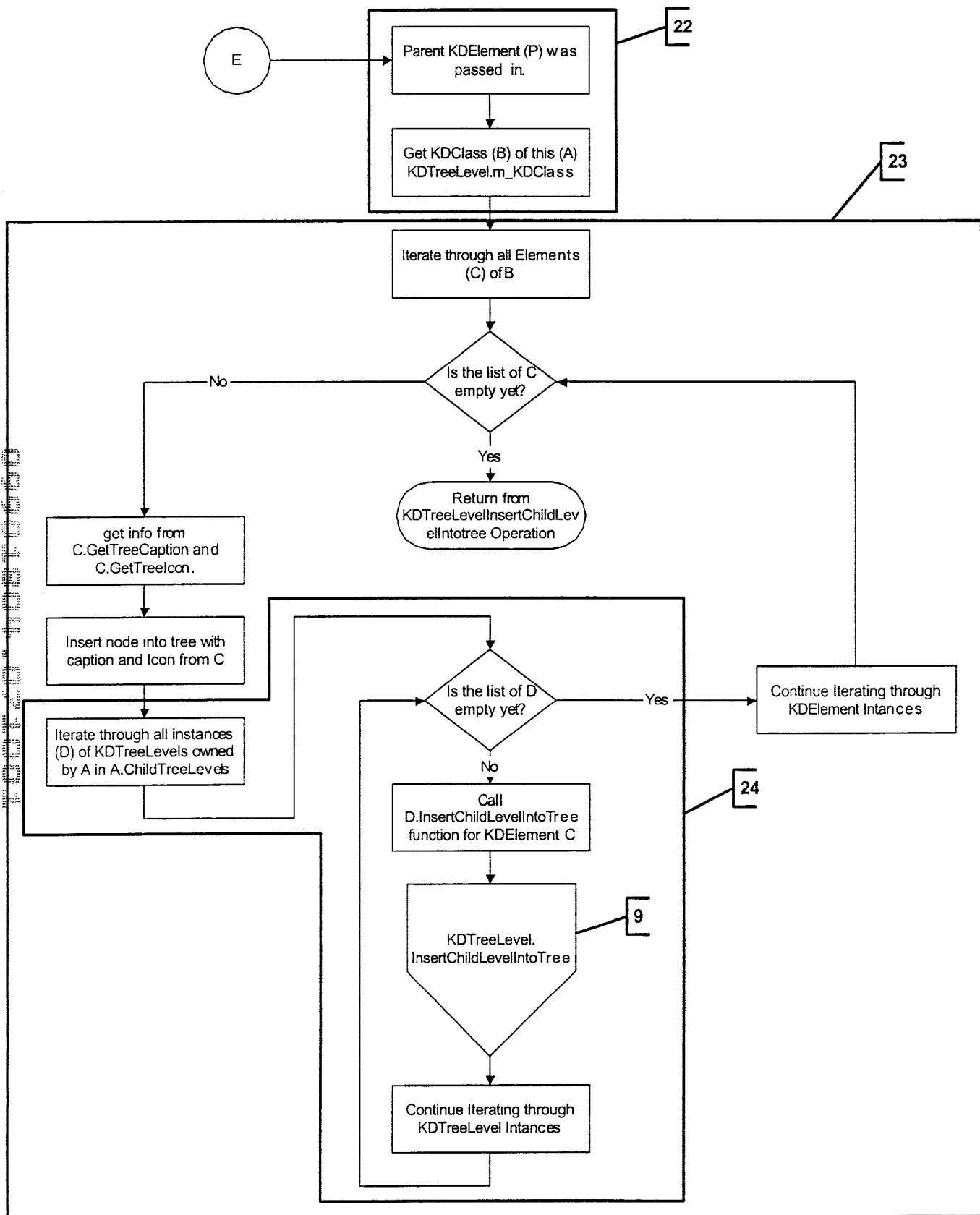


Figure 6 Flow Chart depicting PopulateTemplates and PopulateData operations

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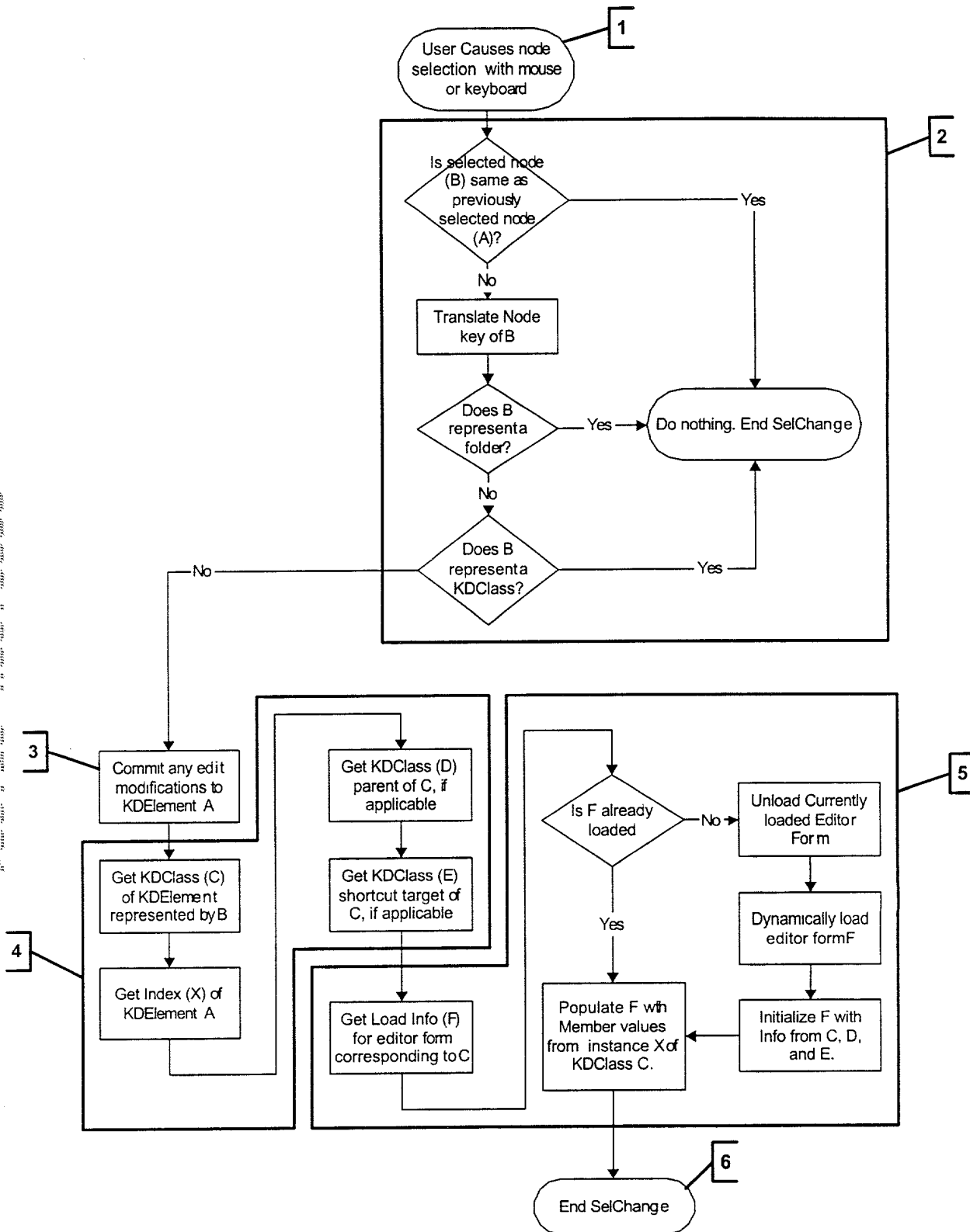


Figure 7: Flow Chart depicting SelChange operation

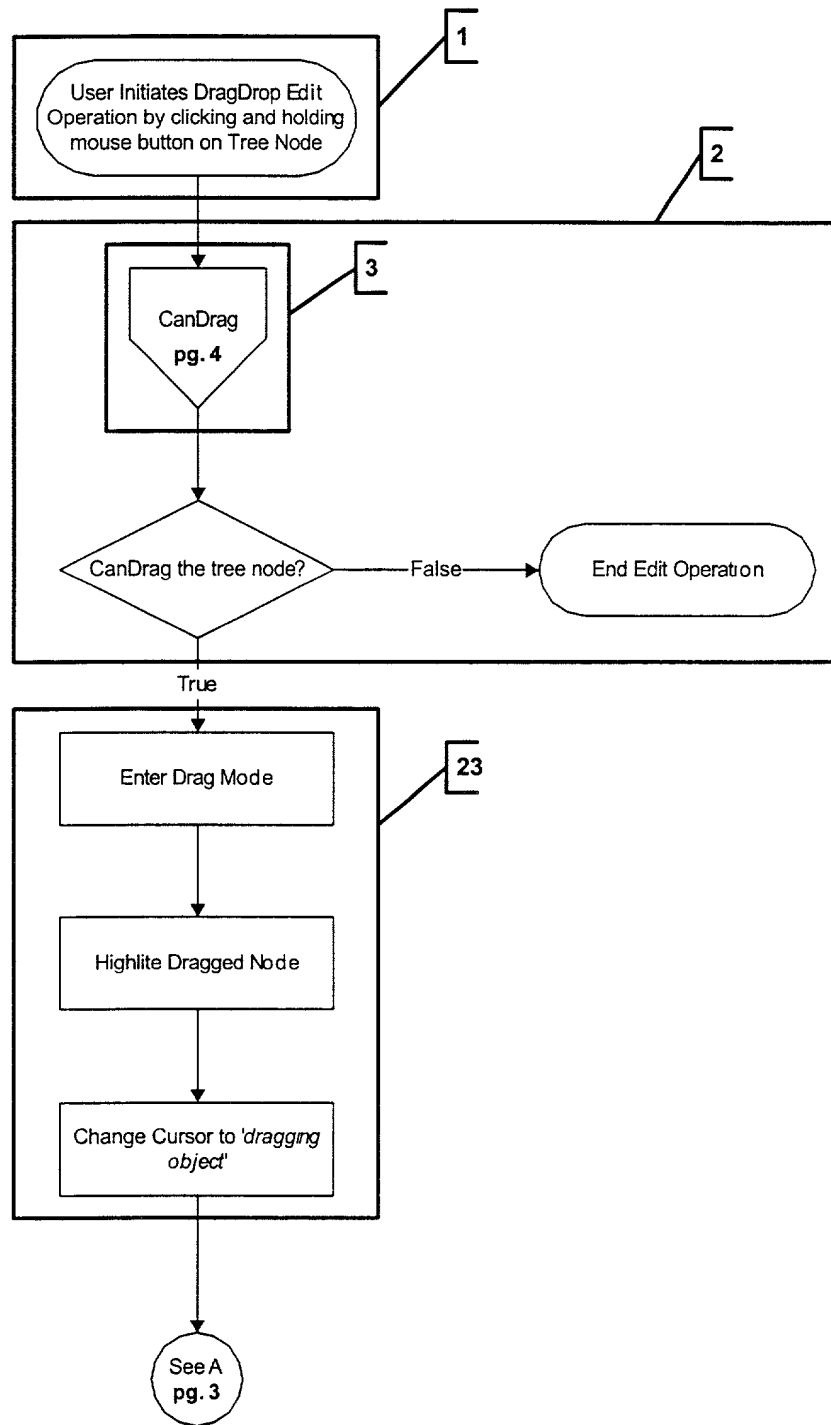


Figure 8^A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

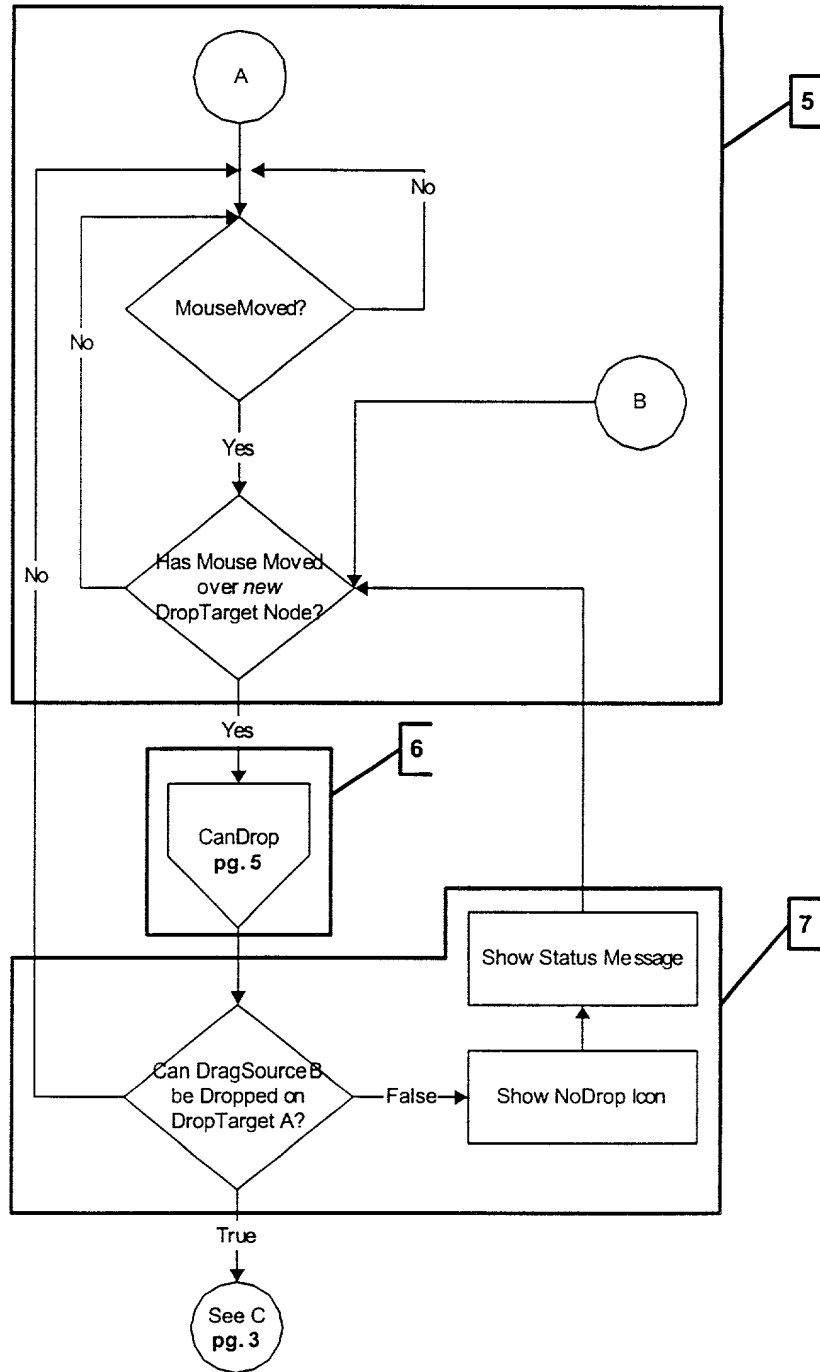


Figure 8^B Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

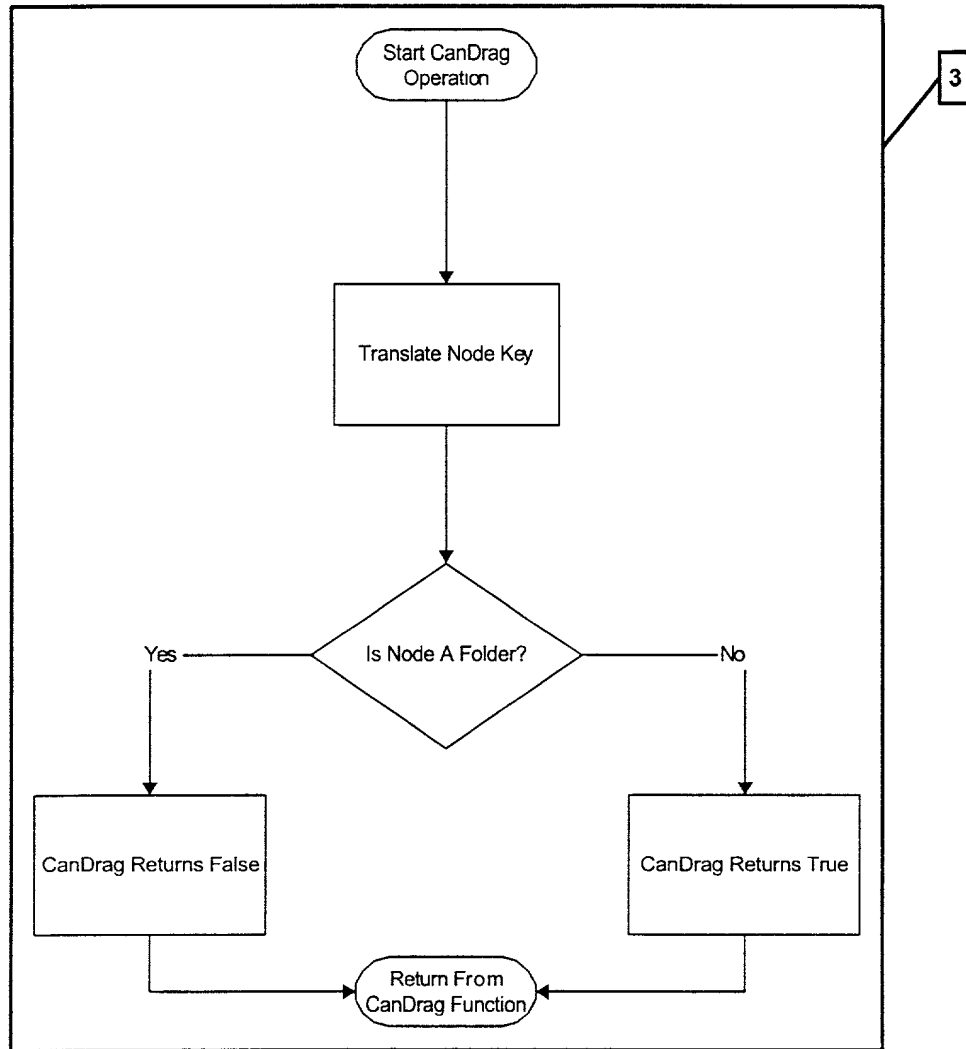
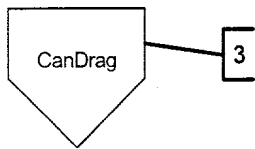


Figure 8¹ Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

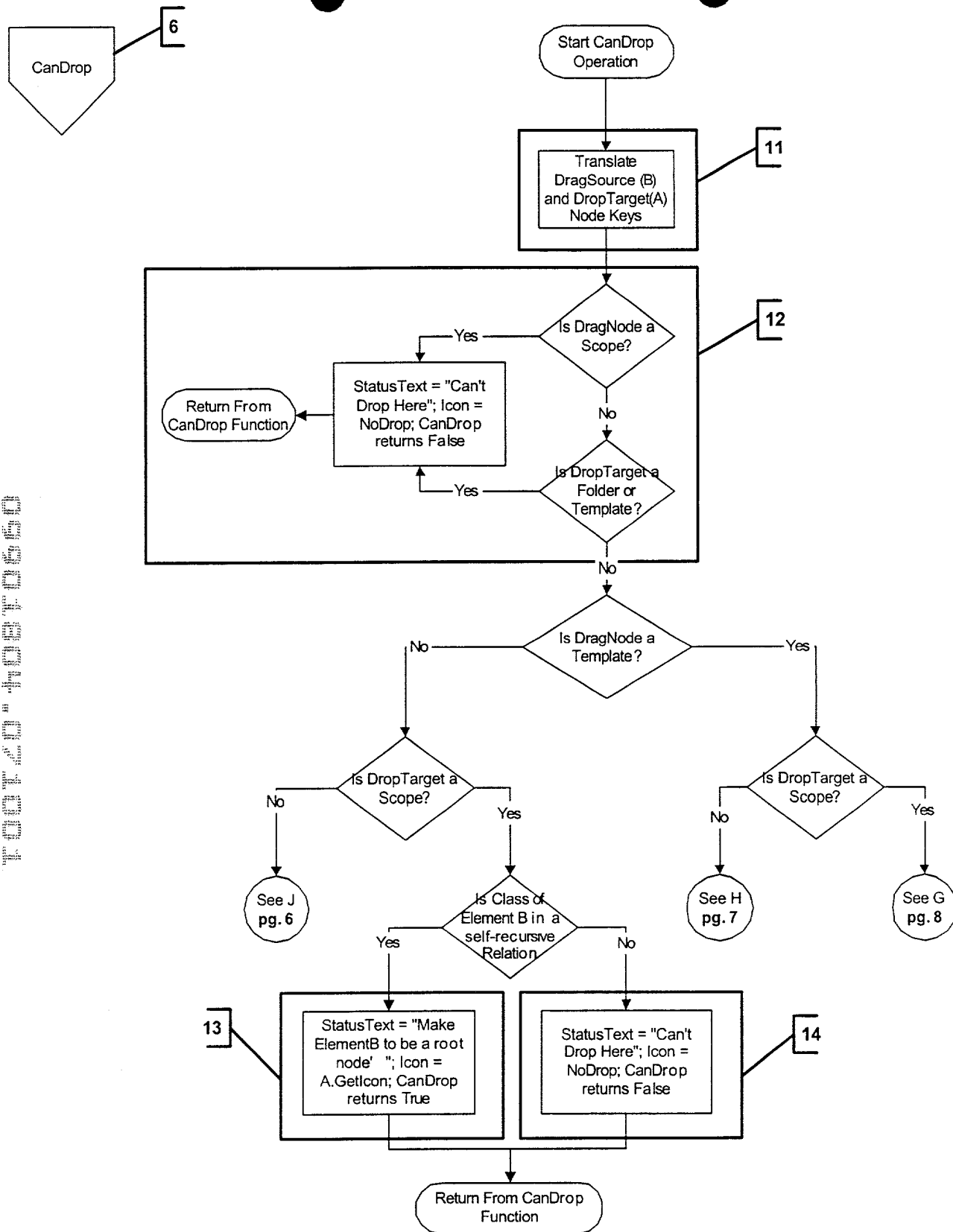


Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

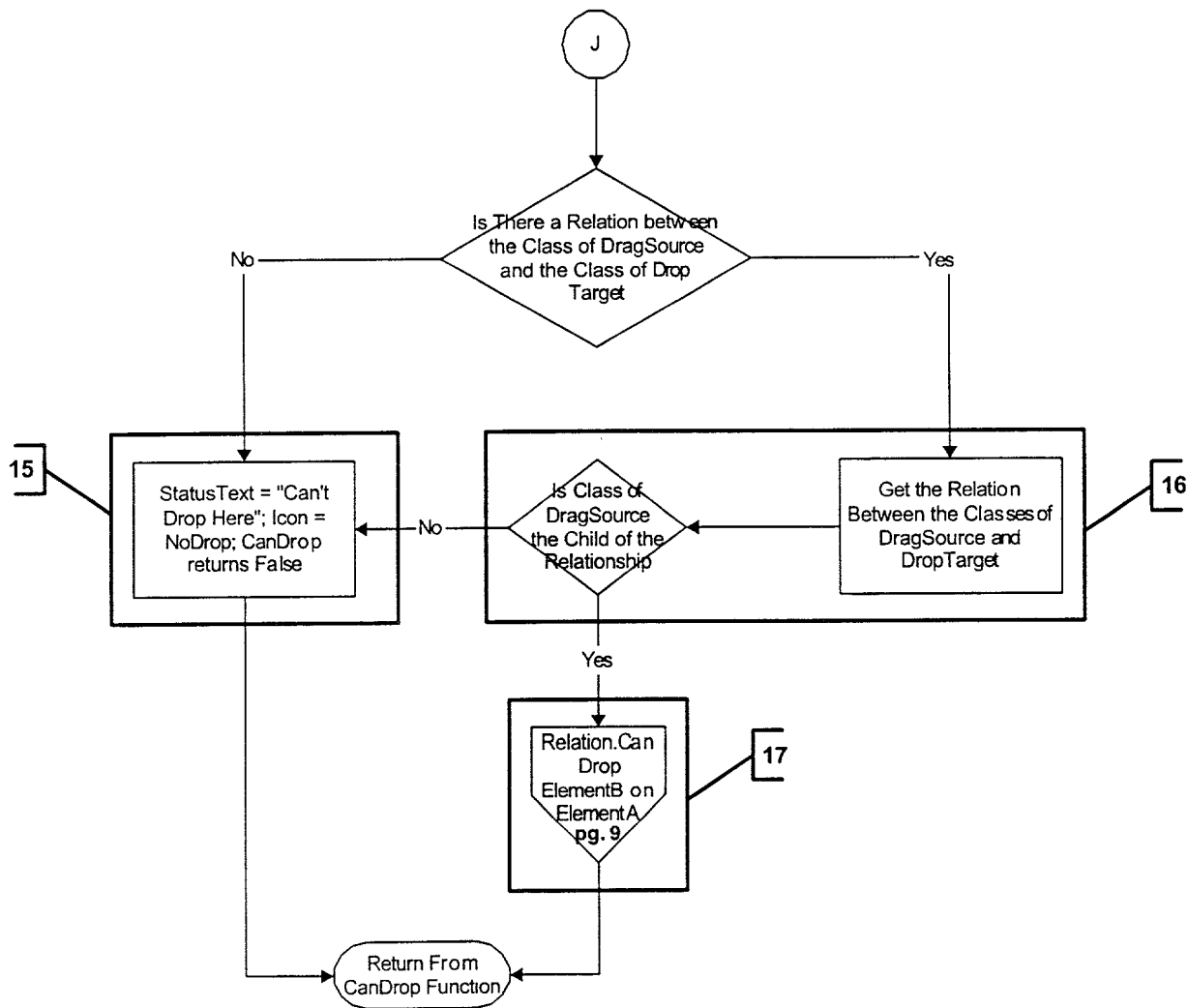


Figure 8.1 Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

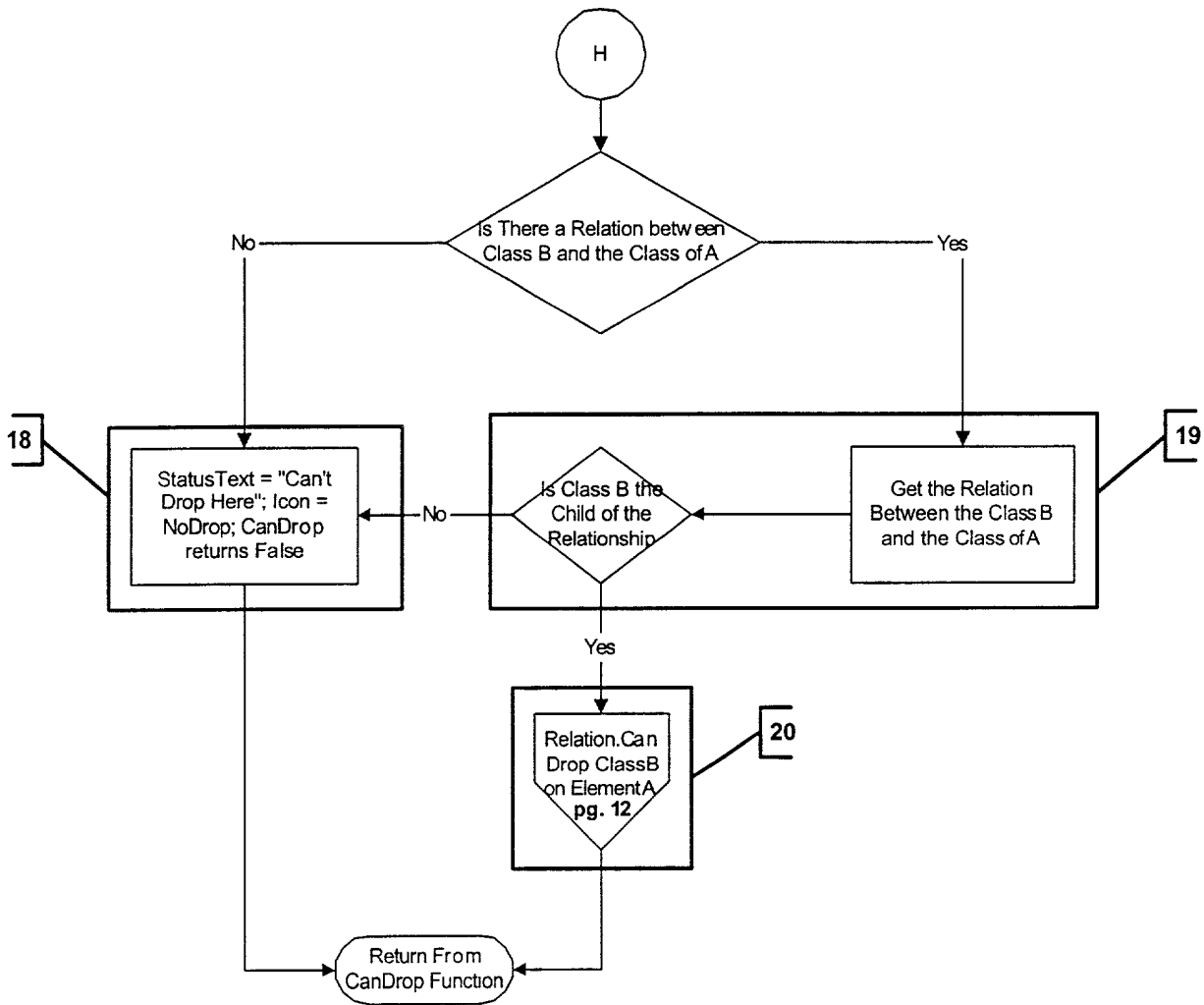


Figure 8⁴ Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

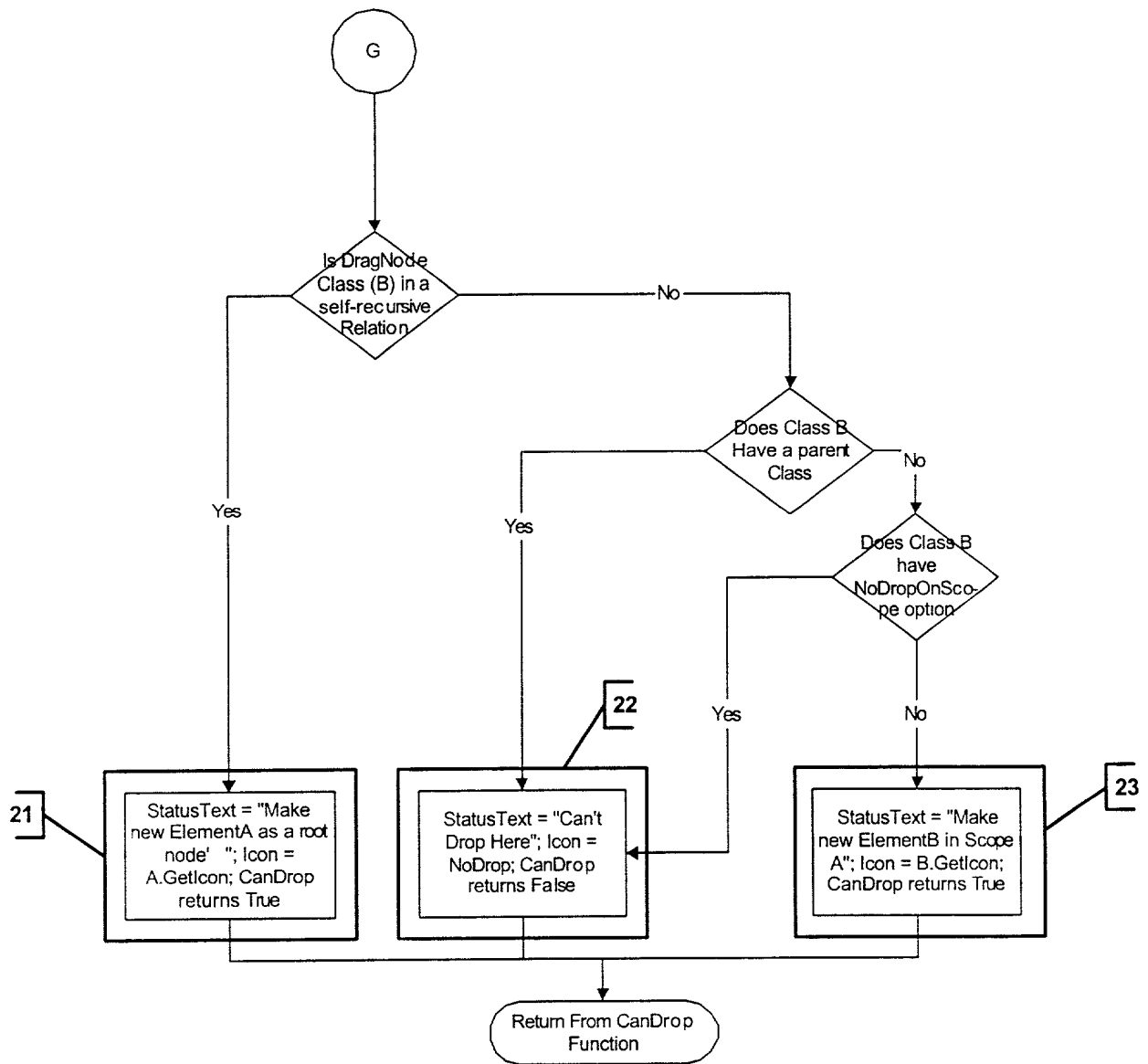


Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

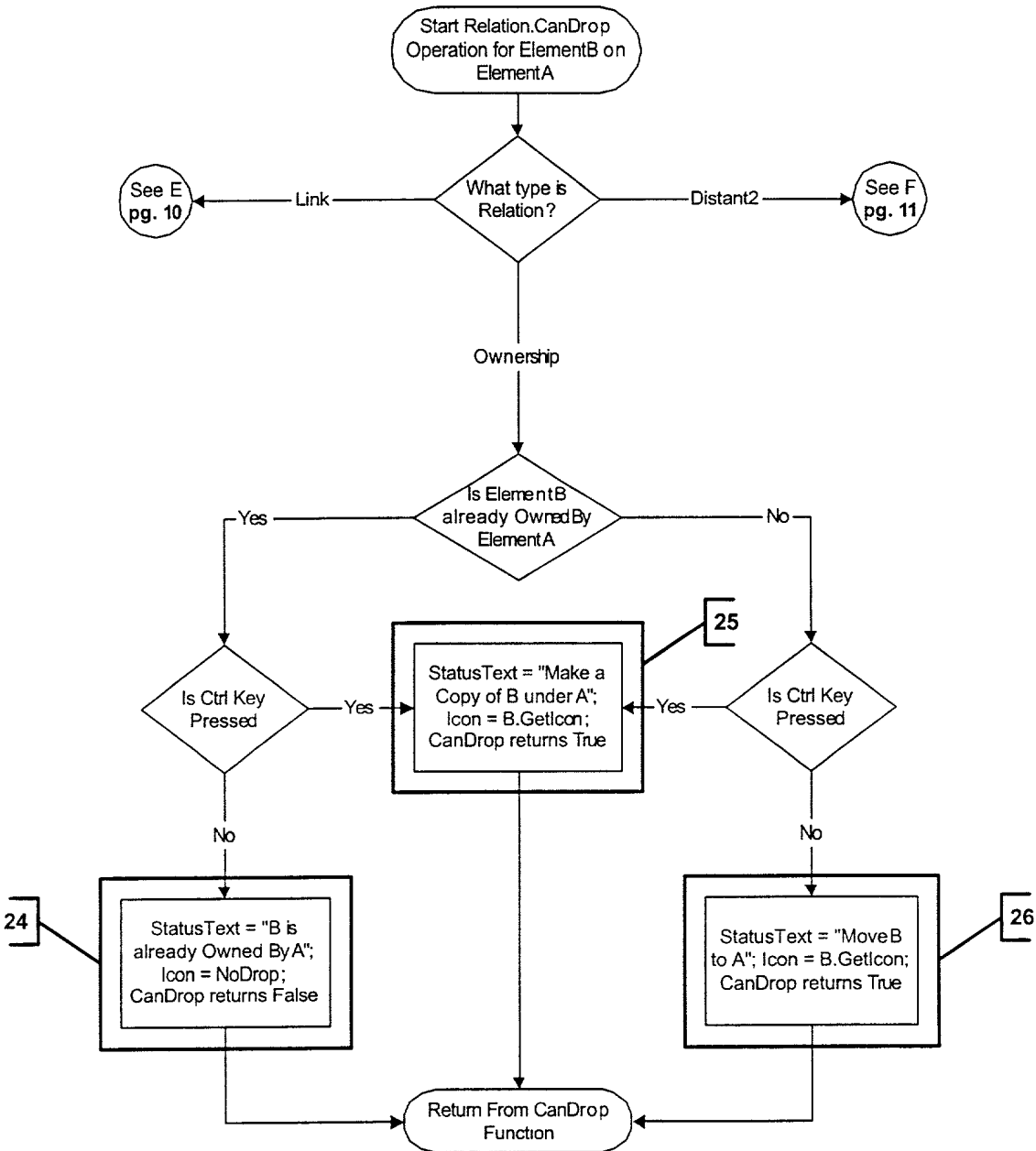


Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

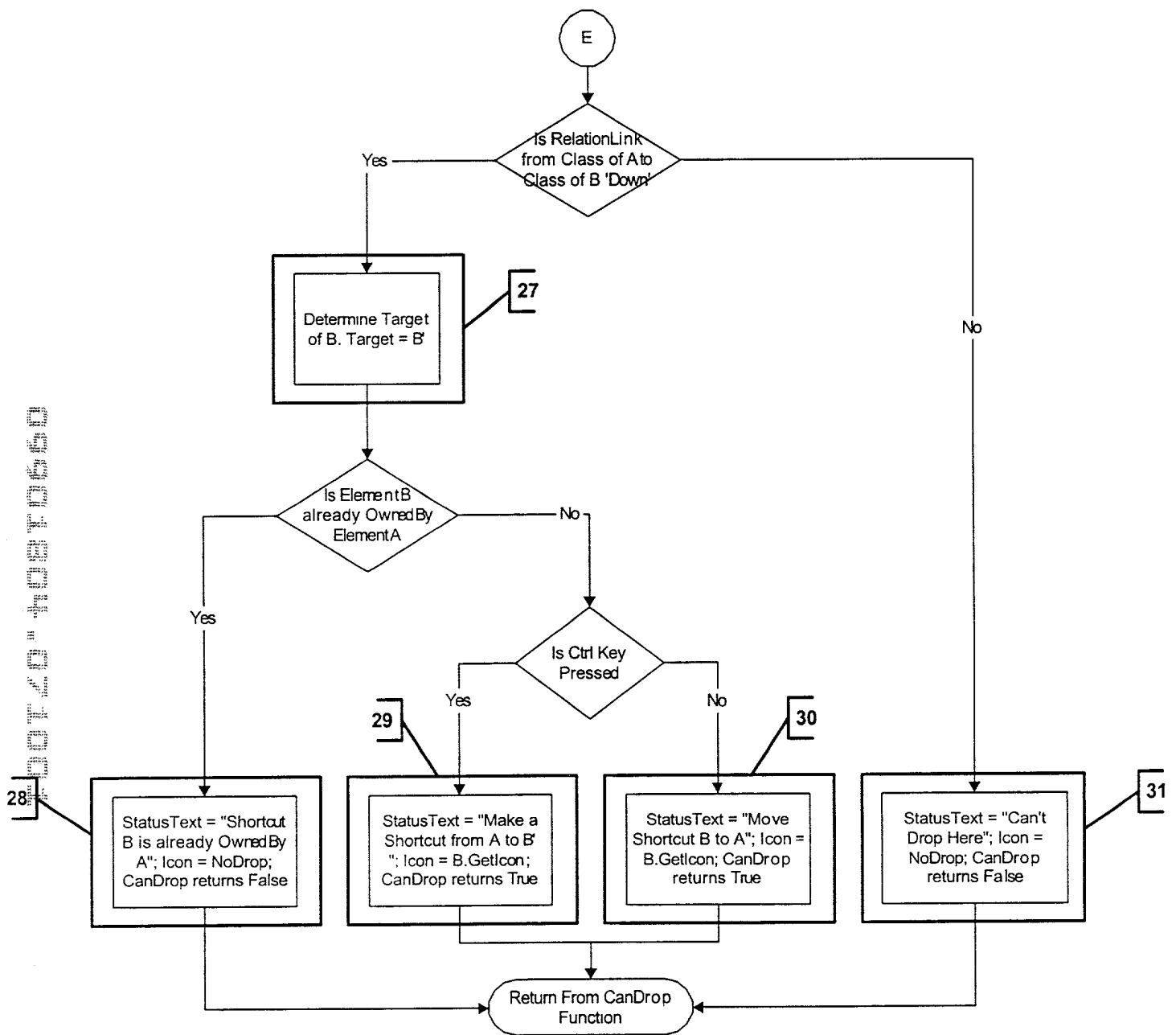
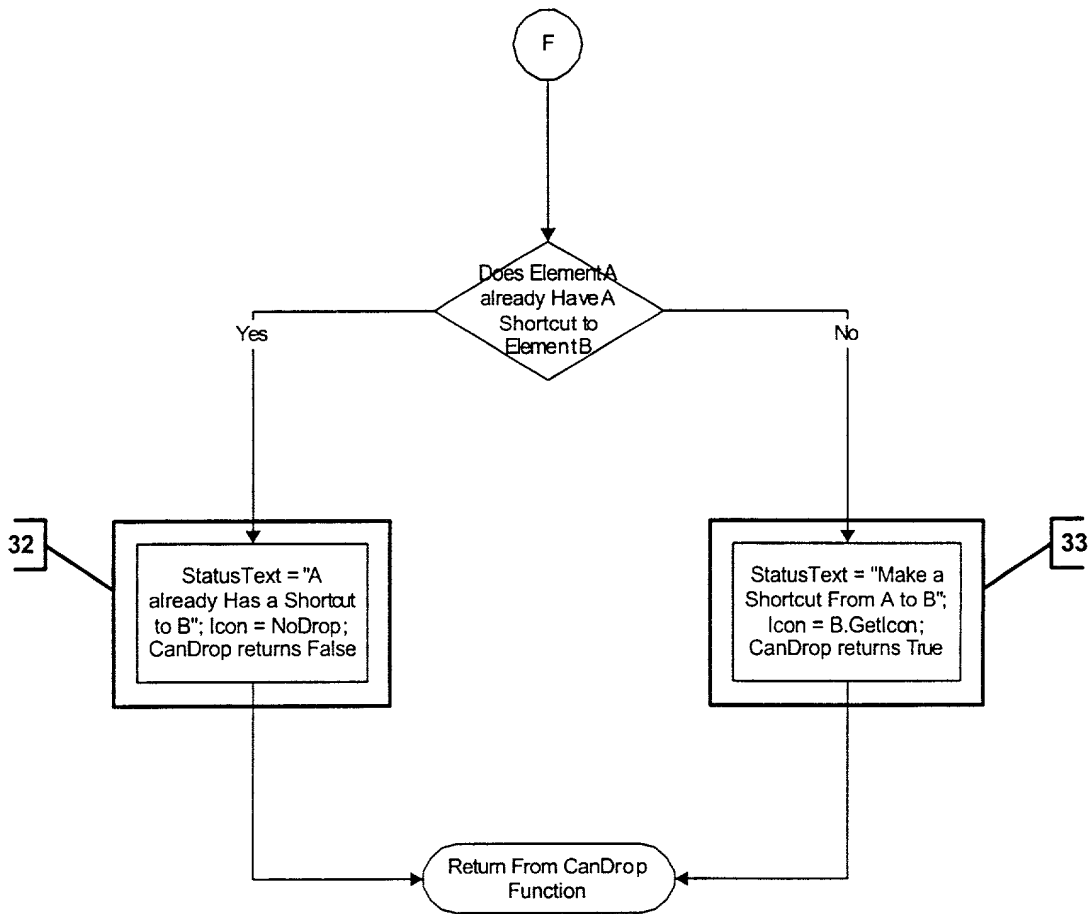


Figure 8_A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



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Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

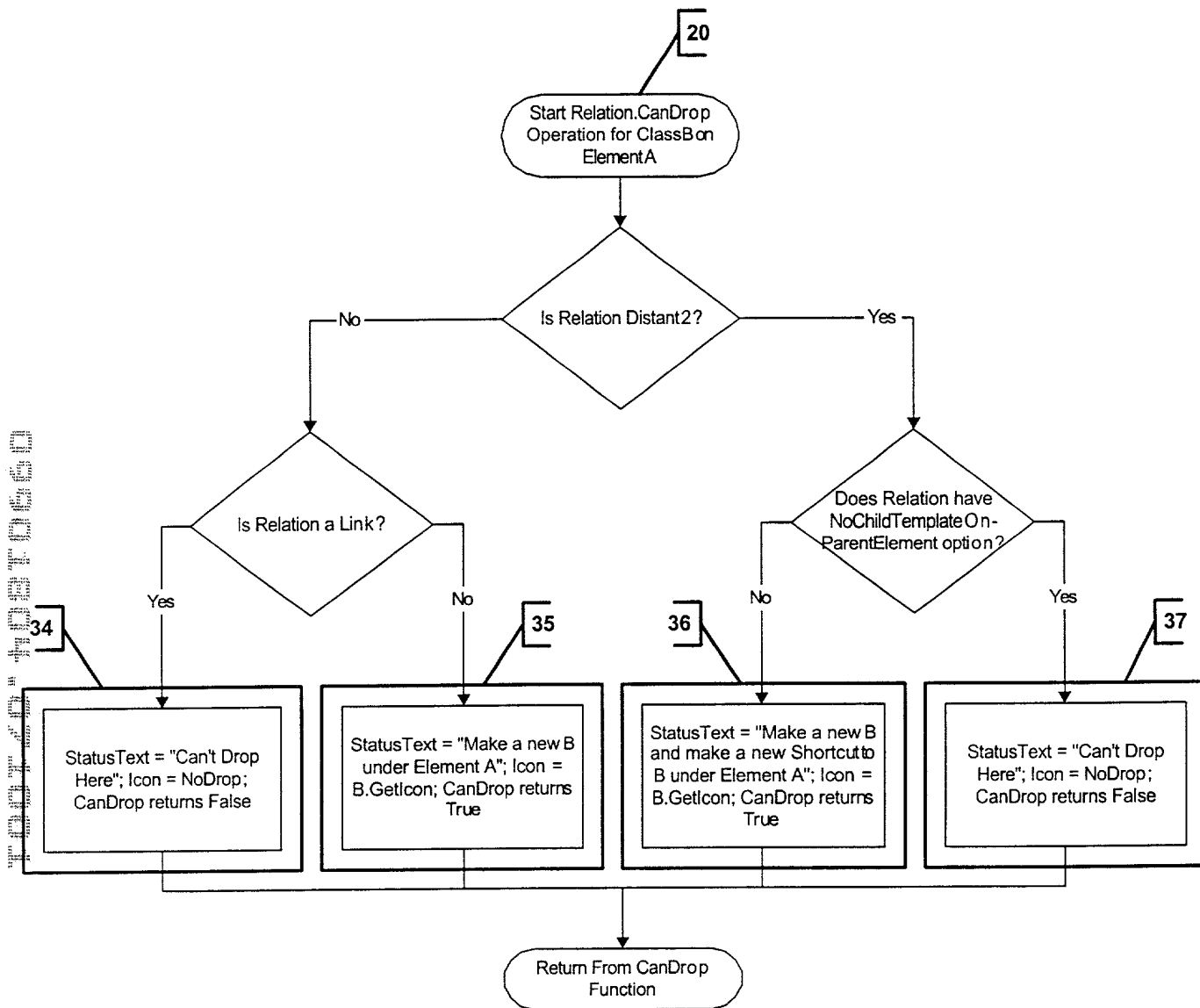


Figure 8A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

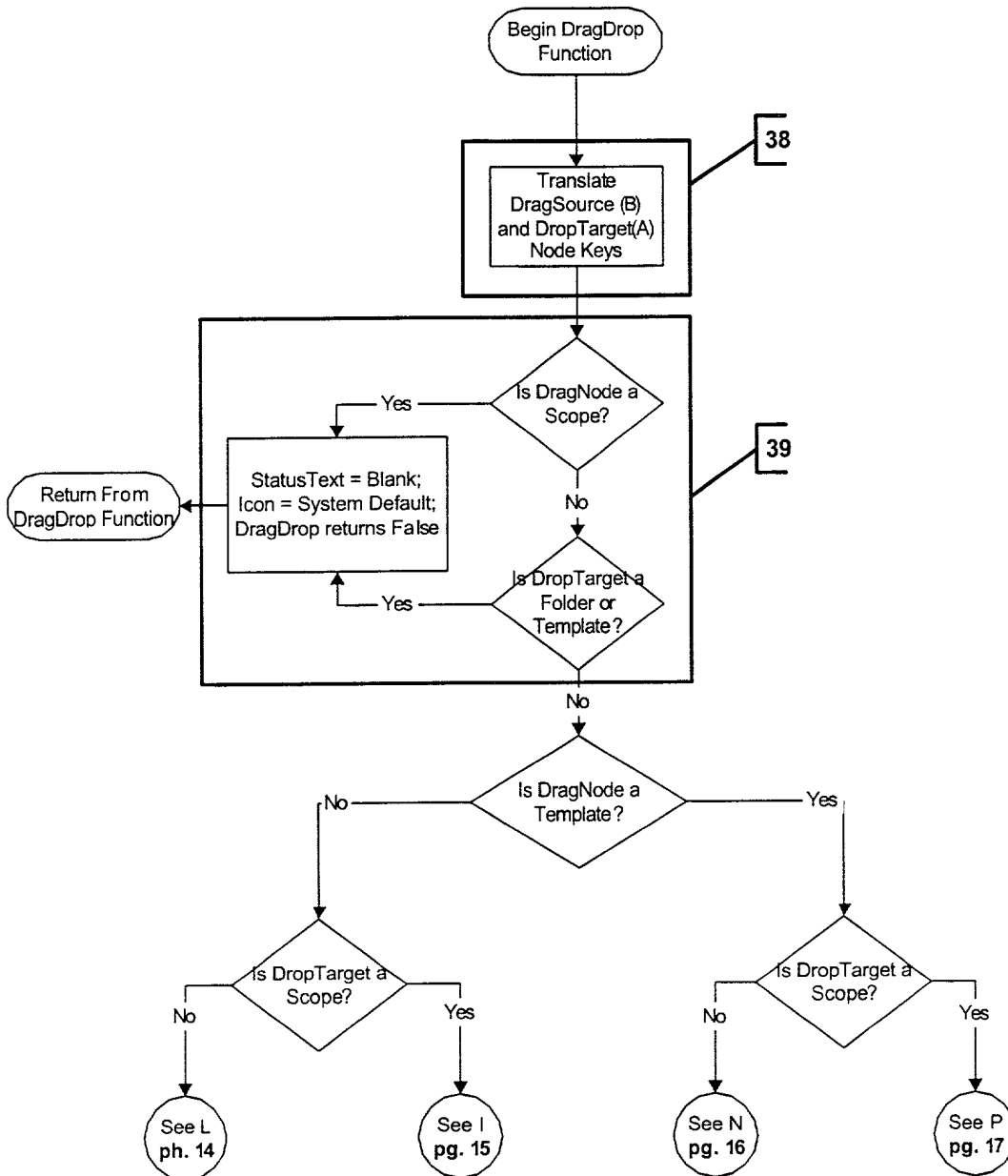


Figure 8^m Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

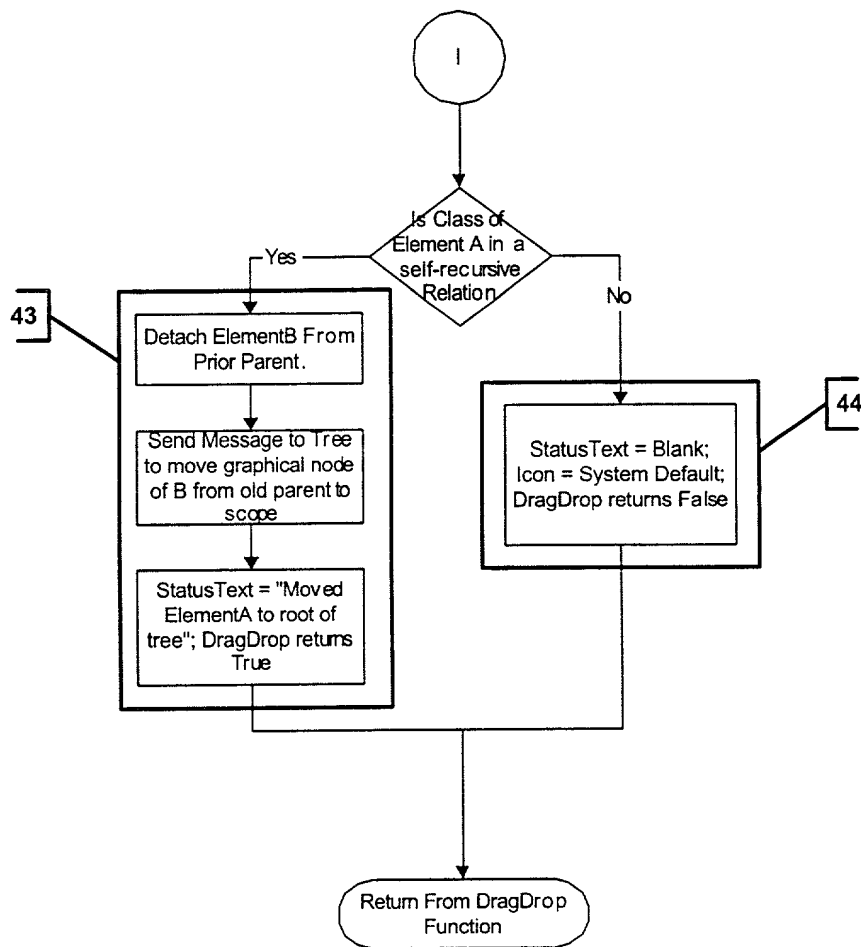


Figure 8⁰ Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

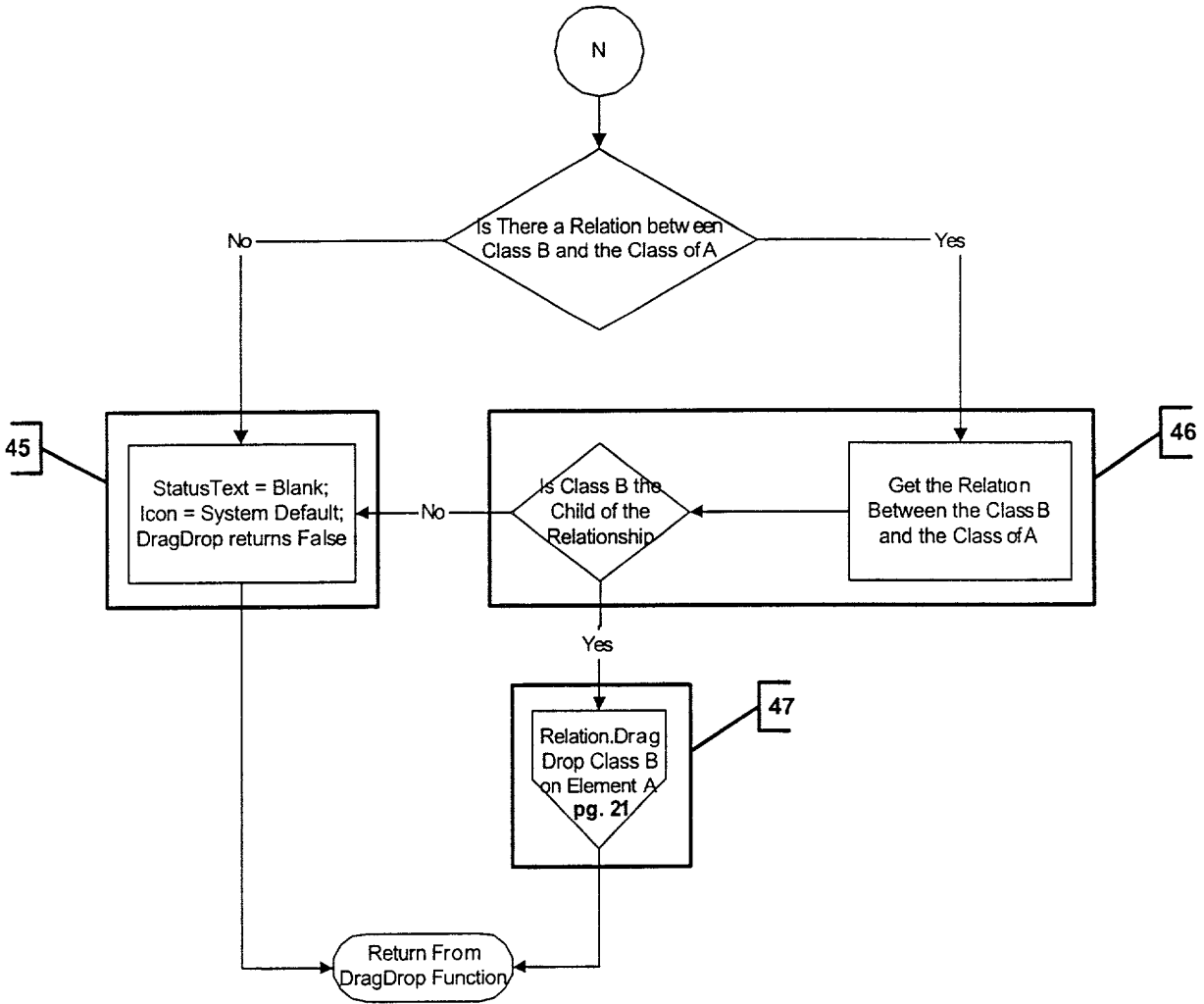


Figure 8^p_A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

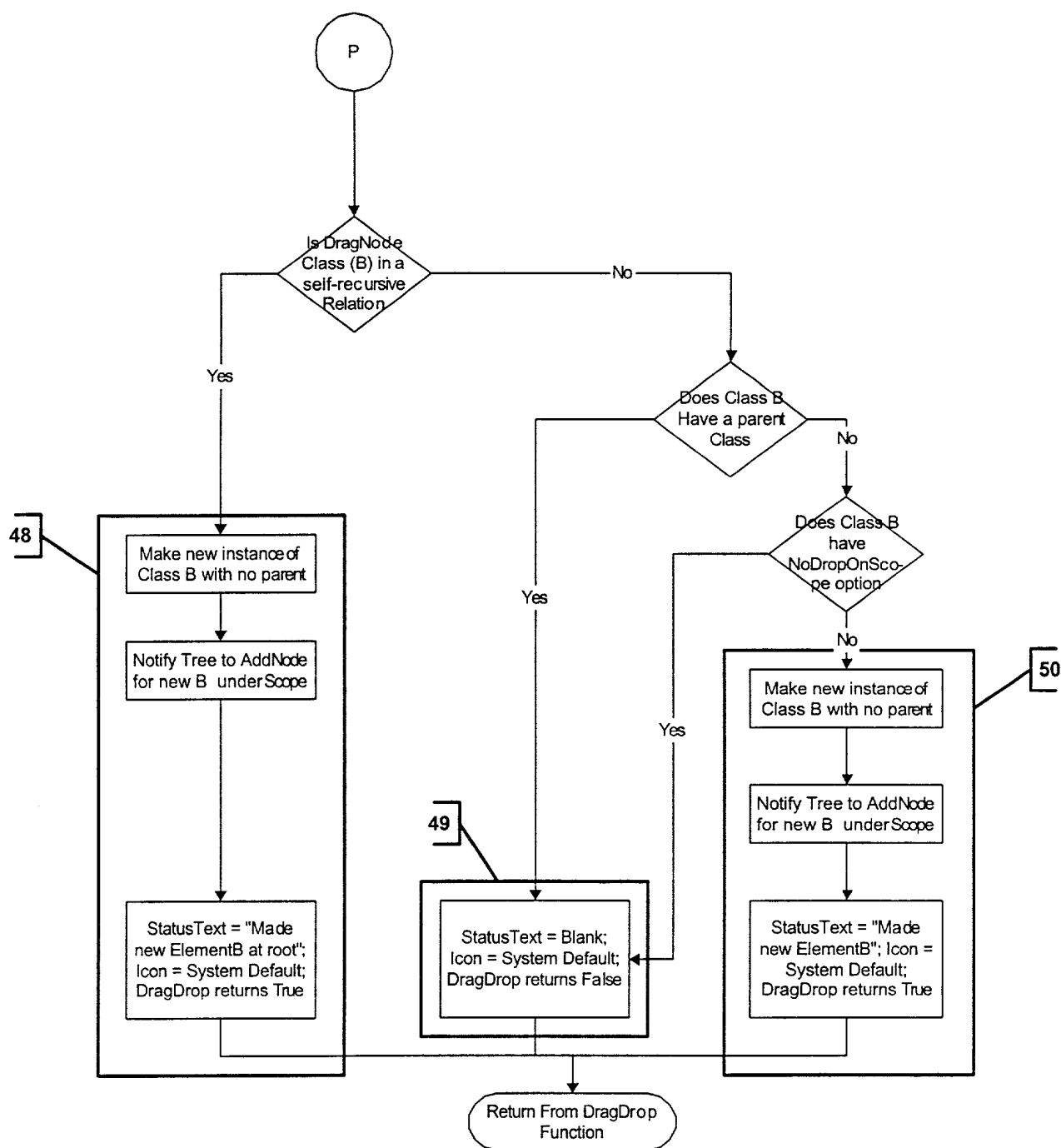


Figure 8^A Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

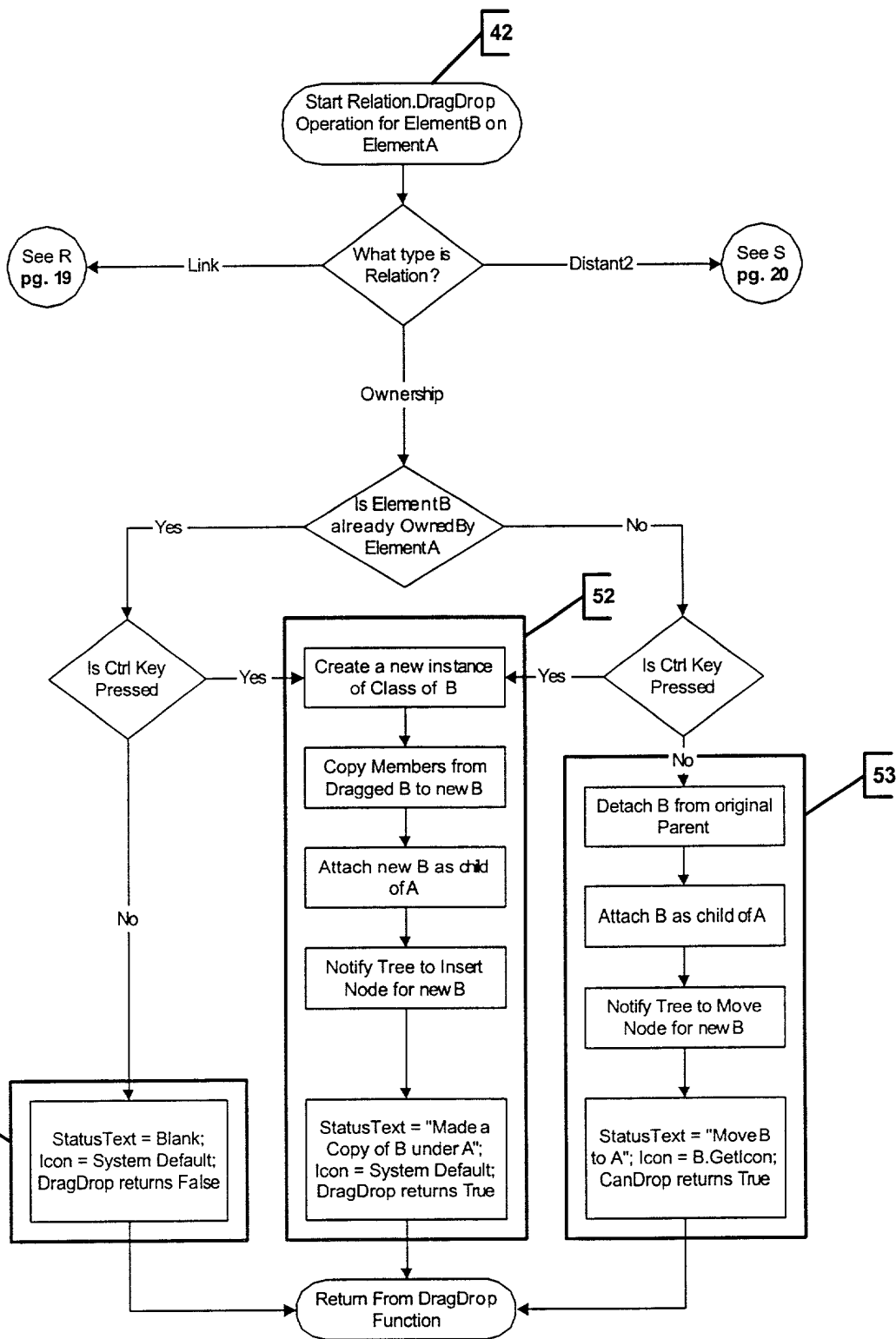


Figure 8^R Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

Figure 8.5 Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations



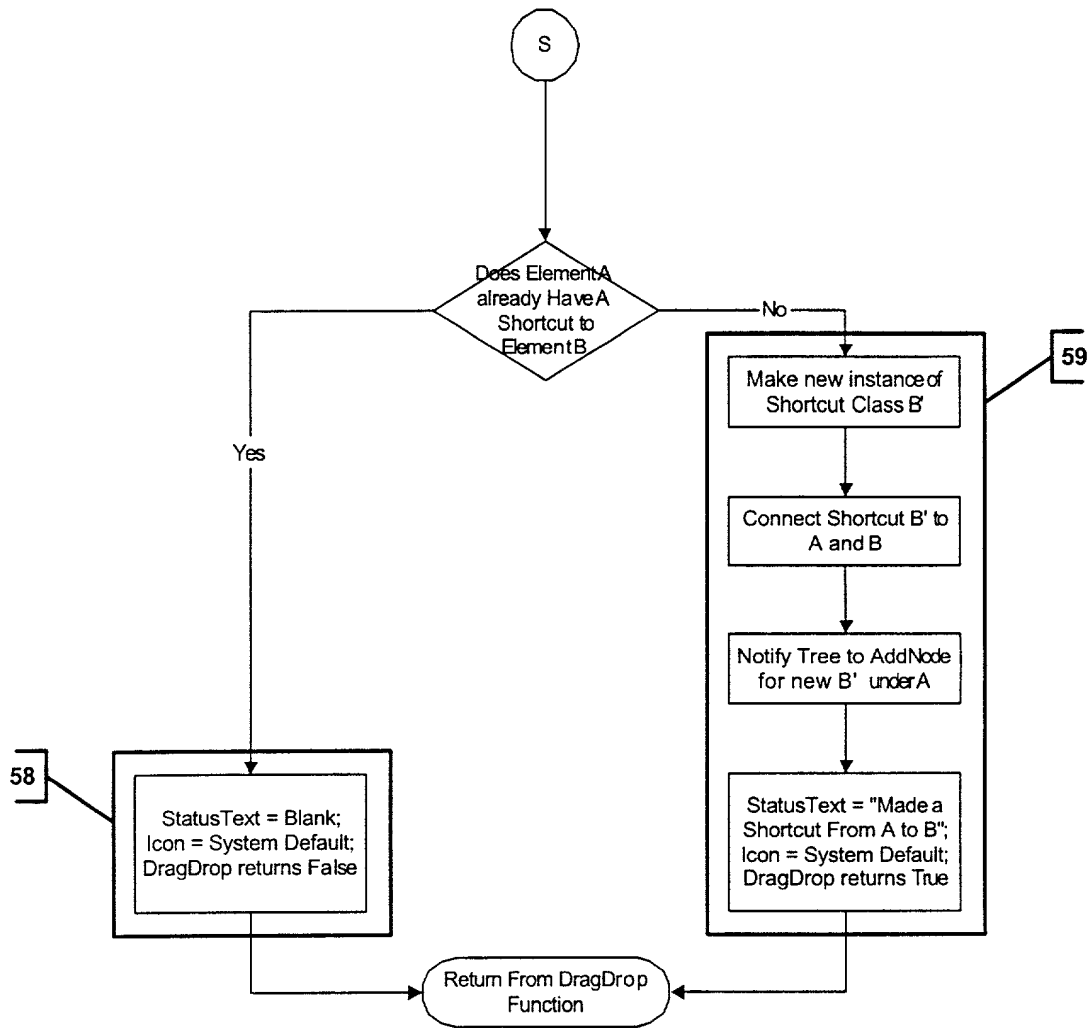


Figure 8^T Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

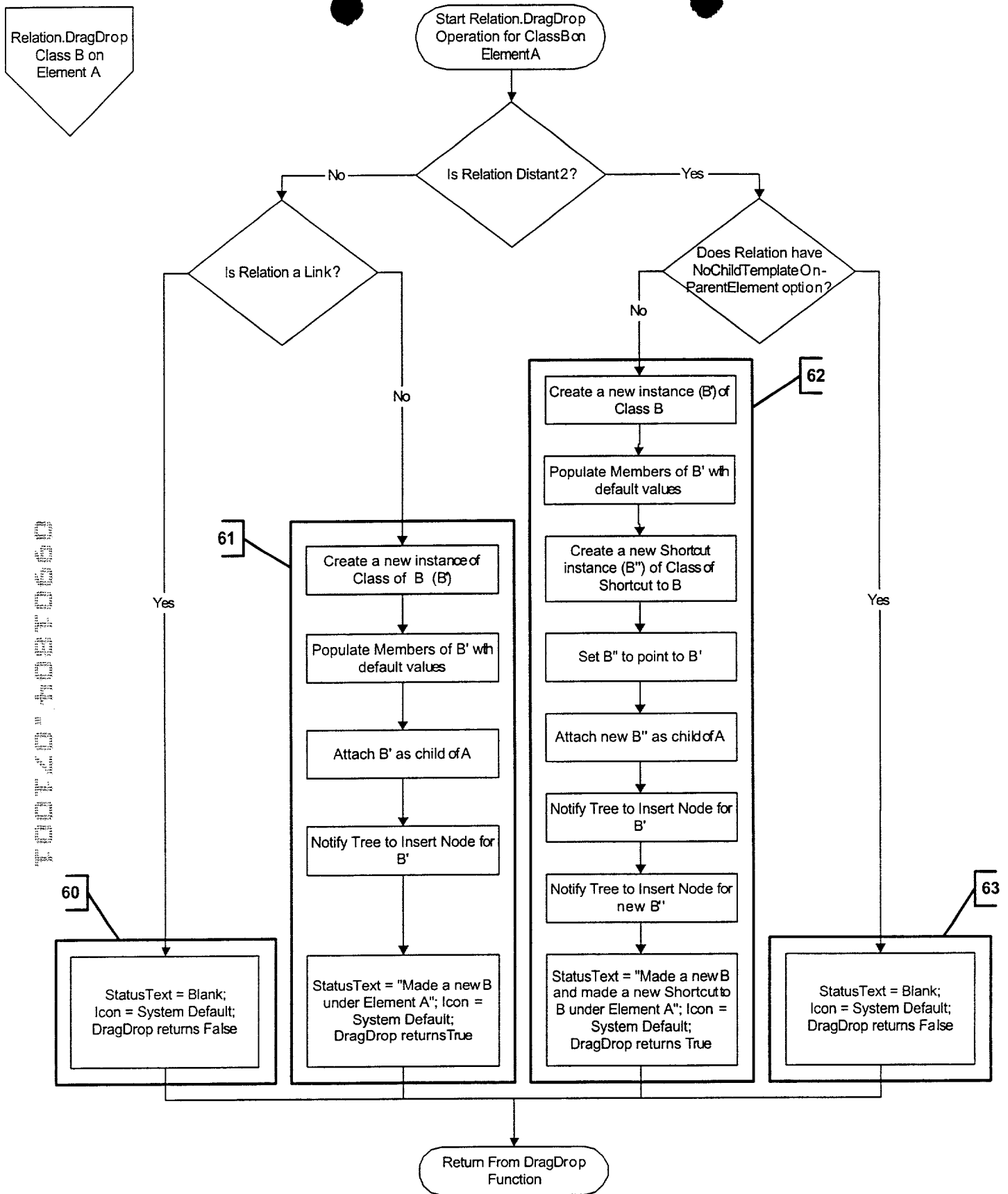


Figure 8^U Flow Chart depicting CanDrag, CanDrop, and DragDrop edit operations

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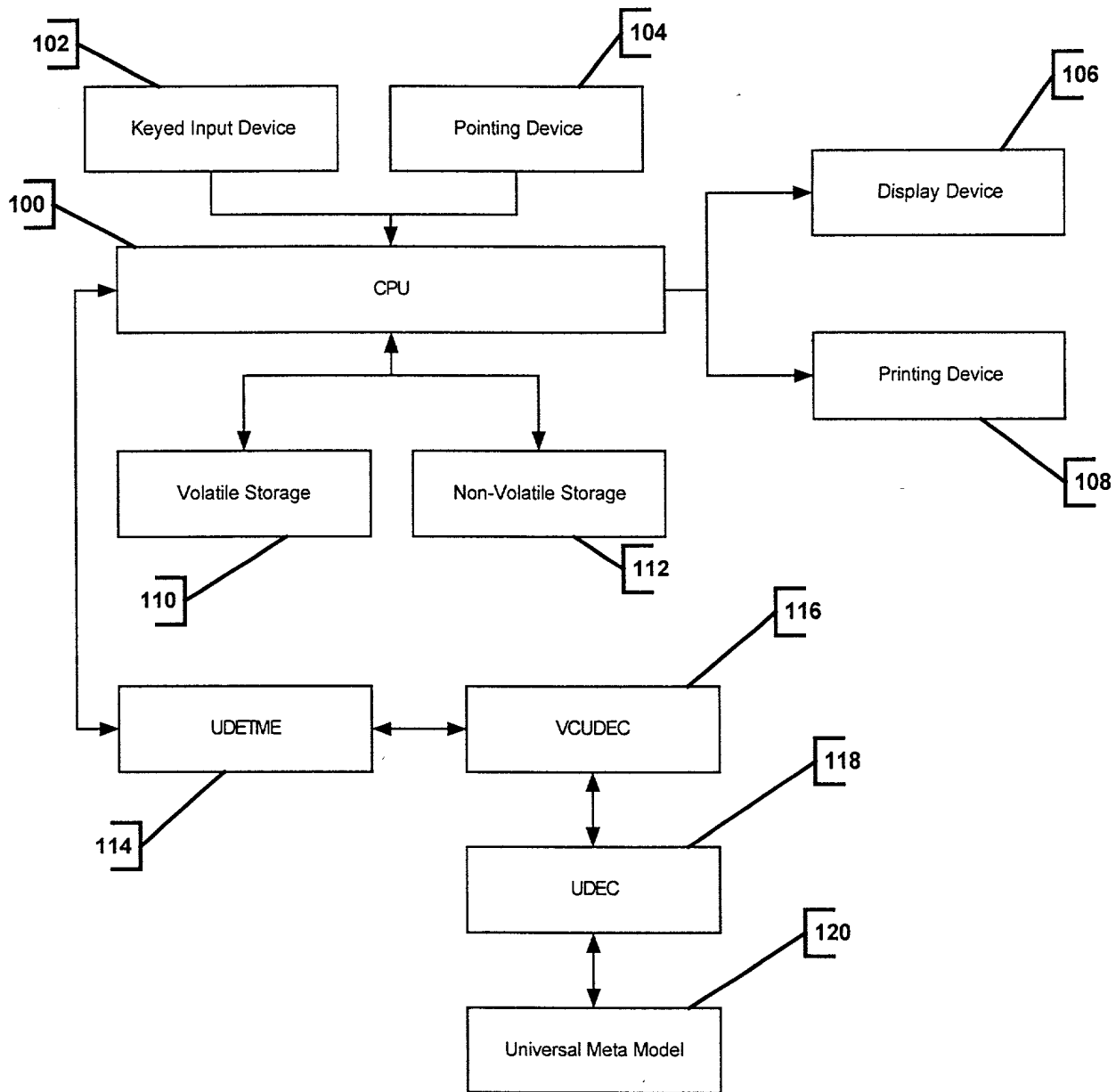


Figure 9: Computer System